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Periodic Table of the Elements

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1.01 H 1																	4.00 He 2
6.94 Li 3	9.01 Be 4																20.18 Ne 10
22.99 Na 11	24.31 Mg 12																39.95 Ar 18
39.10 K 19	40.08 Ca 20	44.96 Sc 21	47.88 Ti 22	50.94 V 23	52.00 Cr 24	54.94 Mn 25	55.85 Fe 26	58.93 Co 27	58.69 Ni 28	63.55 Cu 29	65.39 Zn 30	69.72 Ga 31	72.61 Ge 32	74.92 As 33	78.96 Se 34	79.90 Br 35	83.80 Kr 36
85.47 Rb 37	87.62 Sr 38	88.91 Y 39	91.22 Zr 40	92.91 Nb 41	95.94 Mo 42	(97.91) Tc 43	101.07 Ru 44	102.91 Rh 45	106.42 Pd 46	107.87 Ag 47	112.40 Cd 48	114.82 In 49	118.71 Sn 50	121.76 Sb 51	127.60 Te 52	126.90 I 53	131.29 Xe 54
132.91 Cs 55	137.33 Ba 56	138.91 La 57	178.49 Hf 72	180.95 Ta 73	183.84 W 74	186.21 Re 75	190.23 Os 76	192.22 Ir 77	195.08 Pt 78	196.97 Au 79	200.59 Hg 80	204.38 Tl 81	207.21 Pb 82	208.98 Bi 83	(208.98) Po 84	(209.99) At 85	(222.02) Rn 86
(223.02) Fr 87	226.03 Ra 88	(227.03) Ac 89	(261.11) Rf 104	(262.11) Db 105	(263.12) Sg 106	(262.12) Bh 107	(265) Hs 108	(266) Mt 109	(269) Un 110	(272) Uuu 111	(277) Uub 112	Uut 113	(289) Uuq 114	Uup 115	(289) Uuh 116	Uus 117	
Lanthanides (rare earths)																	
140.12 Ce 58	140.91 Pr 59	144.24 Nd 60	144.91 Pm 61	(150.36) Sm 62	(151.97) Eu 63	157.25 Gd 64	158.93 Tb 65	162.50 Dy 66	164.93 Ho 67	167.26 Er 68	168.93 Tm 69	173.04 Yb 70	174.97 Lu 71				
Actinides																	
232.04 Th 90	231.04 Pa 91	237.05 U 92	237.05 Np 93	(244.06) Pu 94	(243.06) Am 95	(247.07) Cm 96	(247.07) Bk 97	(251.08) Cf 98	(252.08) Es 99	(257.10) Fm 100	(258.10) Md 101	(259.10) No 102	(262.11) Lr 103				

The elements which have a lighter background are available from Goodfellow as pure elements and/or compounds.

All data are given as a guide only and no responsibility can be accepted for completeness or accuracy.

Introduction

Goodfellow is well known as a specialist supplier of small to medium size quantities of metals, alloys, ceramics, polymers and other materials to meet the research, development and specialist production requirements of science and industry worldwide. We realise that "small" means different things to different people, but we consider small to mean any quantity from a few grammes to a few kilos.

Goodfellow offers two distinct services to meet the requirements of our customers:

- The first meets the needs of our customers who need small quantities of products from our standard range of materials within 24-48 hours.
- The second service is for those who require larger quantities or further processing of our standard products or who need an item which falls within our general area of supply expertise.

The range of materials offered by Goodfellow is extensive, as are the forms in which the various products are available. This Catalog provides a detailed overview of our standard products which are available from stock. Full details of all of these items, including prices and technical information, can be found in our web Catalog at www.goodfellowusa.com.

Materials

Metals and Alloys

Goodfellow supplies virtually all of the pure metals from Aluminum to Zirconium as well as a comprehensive range of alloys. Most are available in a variety of forms, including rod, wire and foil. The Catalog details those materials which are available as standard products from stock. Custom-made items are also available, so please contact us if you are unable to identify the item you require.

Ceramics

The ceramic materials offered by Goodfellow have been carefully chosen and include both the established as well as more recently developed products. All are available as either standard or custom-made products in a variety of forms and sizes. The Catalog details those items which are

available from stock. For ceramic components made to customer drawings, our Ceramic and Glass Division would be delighted to help. Please visit www.goodfellow-ceramics.com for further information.

Polymers

The range of polymers supplied by Goodfellow is broad and includes both the familiar as well as some of the more unusual or recently developed materials. The Catalog details those items which are available from stock; please contact us if you are unable to find the item you specifically require.

Compounds & Intermetallics

Goodfellow can supply aluminides, borides and silicides as well as other intermetallics and compounds. The majority of these items are made to order, and the Catalog details those which are available. Please contact us with details of your requirements.

Composites

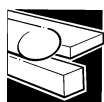
Some examples of these materials are listed in the Catalog. As some of these are manufactured on a custom-made basis, please contact us with details of your requirements.

Glasses

Goodfellow offers two distinct types of glass products. The first are generally silica-based and transparent. Generally, these products are made to order for customers, so we do not list them in our Catalog, however, they are available through the Goodfellow Ceramic and Glass Division. Please contact us with your requirements.

The second type of glass product is commonly referred to as "metallic glasses" or "glassy metals". In contrast to crystalline metals and alloys with highly ordered atomic structures, these are non-crystalline (amorphous) metals or, more usually, alloys. Our Catalog details those glassy metals which are available from stock; please contact us if you are unable to find the item you specifically require.

Product Descriptions

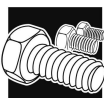


Bar

A straight length of rectangular, square or oval section material.

Tolerances

Section dimensions:	$\leq 10\text{mm}$	$\pm 10\%$
	$> 10\text{mm}$	$\pm 1\text{mm}$
Length:	$< 100\text{mm}$	$\pm 1\text{mm}$
	$\geq 100\text{mm}$	$+ 5\% / -1\%$



Bolt

A threaded pin that can be screwed into a nut or a tapped hole to fasten items together. Bolts are available with different head styles and also in metric and inch-threaded sizes.

Tolerances

Ceramics: ANSI B18.6.7M-1985



Chopped Fiber

Fibers cut into short lengths called cut, staple or chopped fiber.

Tolerances

Fiber diameter:	$\pm 25\%$
Number of strands:	$\pm 10\%$
Tex number:	$\pm 10\%$
Length:	$+ 5\% / -1\%$



Crucible

A vessel in which other materials may be heated or melted, usually at high temperatures.

Tolerances

Height:	$\pm 10\%$
Inside Dimensions:	$\pm 10\%$
Outside Dimensions:	$\pm 10\%$



Fabric

Woven fabrics are made by the regular interlacing of two arrays of yarns at right angles to each other, these being referred to as the warp and weft (see also Non-woven fabric).

Tolerances

Fabric thickness:	± 25%	
Number of yarns:	± 10%	
Tex number:	± 10%	
Size (linear dimension):	< 100mm	± 5mm
	≥ 100mm	+ 5%



Fiber

Yarns or tows consisting of several approximately parallel individual filaments, each filament usually being smaller in diameter than a monofilament. Yarns contain a defined number of filaments, typically three to several hundred; tows contain thousands of filaments whose number is only defined approximately. Both are primarily specified by their linear density measured in "tex", the weight in grams of a 1km length of material.

Tolerances

Fiber diameter:	$\pm 25\%$
Number of strands:	$\pm 10\%$
Tex number:	$\pm 10\%$
Length:	$+ 5\% / -1\%$



Film

A non-metallic sheet material with a thickness $< 0.5\text{mm}$.

Tolerances

Thickness:	$\pm 20\%$	
Size (linear dimension):	$< 100\text{mm}$	$\pm 1\text{mm}$
	$\geq 100\text{mm}$	$+ 2\% / -1\%$



Flake

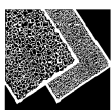
Flat, irregularly shaped pieces of material.

A maximum flake size is indicated but individual flakes may vary greatly in size.

Tolerances

Dimensions shown are nominal

Product Descriptions



Foam

A low density, permeable structure of cells and continuous ligaments offering a high surface area to volume ratio, and also a high strength to weight ratio.

Owing to the nature of this material, dimensions are nominal.



Foil

Thin sheets of pure metal and metal alloys.

Due to their fragile nature, some foils are coated on one side with an acrylic or polyester support. Where foils are supported they are indicated in the detailed item description.

Tolerances

Thickness:	< 0.010mm	± 25%
	0.01-0.05mm	± 15%
	> 0.050mm	± 10%
Size (linear dimension):	< 100mm	± 1mm
	≥ 100mm	+ 2% / - 1%



Granule

Pellets of an approximately regular shape.

Granules may vary in size and, therefore, the dimensions stated are nominal. In addition, the shape of a granule may vary from item to item.

Tolerances

Dimensions shown are nominal



Honeycomb

A cellular structure similar in appearance to natural honeycomb. Owing to the nature of this material, dimensions are nominal.



Insulated Wire

A single or multiple flexible strand of metal or alloy with an insulating sheath.

Tolerances

Wire diameter:	± 10%
Length:	+ 5% / - 1%
Insulation thickness:	Nominal values only



Laminate

Layers of material which have been bonded together by the use of heat, pressure and, possibly, adhesive.

Tolerances

Thickness:	± 10%
Size (linear dimension):	≤ 100mm ± 1mm
	> 100mm + 2% / - 1%



Liquid

A state of matter between a solid and a gas in which the shape of a given mass depends on the container, the volume being independent.



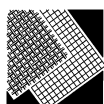
Lump

A solid piece of material with no defined shape.

Tolerances

Dimensions shown are nominal

Product Descriptions



Mesh

Mesh is available as either a woven wire or electroformed product; in all cases, the quoted aperture sizes are nominal. Wire mesh: a material which is woven from metal wires to provide a thin grid with a regular series of holes. Electroformed mesh: a product made by electroplating the mesh geometry through a mask onto a substrate which is subsequently etched away.

Tolerances

Thickness:	woven: $\pm 10\%$
	electroformed: $\pm 20\%$
Wire diameter:	$\pm 10\%$
Size (linear dimension):	$< 100\text{mm}$ $\pm 1\text{mm}$
	$\geq 100\text{mm}$ $+2\% / -1\%$



Metallized Film

Film which is coated with a metal. The thickness of the metal is measured and described in terms of the material's specific electrical resistance in ohms per square.

Tolerances

Thickness:	$\pm 10\%$
Size (linear dimension):	$< 100\text{mm}$ $\pm 1\text{mm}$
	$\geq 100\text{mm}$ $+2\% / -1\%$



Microfoil

An extremely thin sheet of metal or alloy mounted on a permanent support. This support **cannot** be removed without destroying the Microfoil.

Tolerances

Thickness:	$\pm 30\%$
Size:	$\pm 20\%$



Microleaf

An extremely thin sheet of metal mounted on a removable support. Microleaf is not available for metals which are too brittle to be free standing.

Tolerances

Thickness:	$\pm 30\%$
Size:	$\pm 20\%$



Monofilament

A single strand of a non-metallic material.

Tolerances

Diameter:	$\pm 20\%$
Length:	$+5\% / -1\%$



Non-Woven Fabric

Non-woven fabrics are made by methods other than weaving or knitting, the yarns and fibers being held together, often quite loosely, by means other than geometric interlacing. Due to the open and porous nature of this material, all other dimensions are nominal.

Tolerances

Size (linear dimension):	$< 100\text{mm}$ $\pm 5\text{mm}$
	$\geq 100\text{mm}$ $\pm 5\%$



Nut

Generally a flat piece of material with a threaded hole which can be screwed onto a bolt to fasten items together. Nuts typically have a hexagonal external shape. Nuts are available in metric and inch-threaded sizes.

Tolerances

Ceramics:	ANSI B18.2.4.1M-1979 (R1995)
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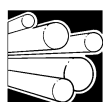
Powder

Small particles with an approximately defined size range. Those materials described as alloy precursors are not true alloys - they are made by sintering a blend of powders of the component metals to achieve alloying by diffusion. The resultant cake is ground and sieved to the required particle size range. Unless otherwise stated, the particle sizes shown are for guidance only. We do not guarantee either any particular size distribution between the quoted minimum and maximum sizes, or a specific particle shape.

Tolerances

Dimensions shown are nominal

Product Descriptions



Rod

A straight length of circular section material.

Tolerances

Diameter:	≤ 10mm	± 10%
	Polymer	+ 20%/-10%
	Ceramic	+ 20%/-10%
> 10mm		± 5%
	Ceramic	+ 20%/-10%
	Polymer	+ 20%/-10%
Length:	< 100mm	± 1mm
	≥ 100mm	+ 5% / -1%



Sheet

Flat material with a thickness > 0.5mm.

Tolerances

Thickness:		± 10%
	Ceramic	± 20%
	Composite	± 20%
	Polymer	± 20%
Size (linear dimension):	< 100mm	± 1mm
	≥ 100mm	+ 2% / -1%



Single Crystal

A material grown as a monocrystal, generally to a specific orientation, dimension and surface finish. It may contain a dopant. Single crystals are usually made to order.

Tolerances

Orientation:	± 3°
Size:	Sizes shown are nominal



Sphere

A regular solid or hollow three-dimensional form in which every cross-section is a circle. Spheres are available with standard or precision tolerances, and can be supplied with different surface finishes depending on the material.

Tolerances

Diameter (standard):	± 5%
Diameter (precision):	see item



Sputtering Target

A high purity material used as a source for sputtering, a cold vaporization process in which atoms are physically removed from the target surface by ion bombardment.

Tolerances

Thickness:	± 0.5mm
Size:	± 0.5mm



Tube

A hollow length of material normally circular in section. Most tubes are straight except those made of flexible polymer.

Tolerances

Outside diameter:	≤ 2mm	± 0.05mm
	Polymer	± 10%
	Ceramic	± 10%
> 2mm	≤ 5mm	± 0.1mm
	Polymer	± 10%
	Ceramic	± 10%
> 5mm		± 5%
	Polymer	± 10%
	Ceramic	± 10%
Wall thickness:		± 10%
	Polymer	± 20%
	Ceramic	± 20%
Length:	< 100mm	± 1mm
	≥ 100mm	+ 5% / -1%



Washer

A thin, flat piece of material with a hole in the middle, used in conjunction with bolts and nuts to distribute the load of a threaded fastener.

Tolerances

Ceramics:	see item
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Product Descriptions



Wire

A single or multiple flexible strand of pure metal or alloy.

Tolerances

Wire diameter: $\pm 10\%$

Length: $+5\% / -1\%$

General Information

Analyses

Purity

Purities listed are quoted with respect to total metallic impurities. Typical analyses may give additional information about likely non-metallic impurities.

High Purity

For materials described as High Purity, the actual analysis of metallic impurities will be supplied free of charge. For other items, an actual analysis can be supplied and a charge will be made for the analysis and for the sample used.

Supports

Some items from our range of foils need to be supported on one side of the foil to enable both you and us to handle these very delicate materials. Two types of support can be used, the choice being governed by the material. Wherever possible we use a temporary support, a permanent support only being used when the material is brittle (for example Chromium or Manganese).

The temporary support is Acrylic, approximately 0.2mm thick. This may be removed by dissolving in 2-Propanone (Acetone).

Our permanent support is Polyester, thickness 0.125mm, which is hot-press laminated to one face of the foil. It **cannot** be removed without destroying the foil.

Light Tight (LT) & Not Light Tested (NLT)

Light tight (LT) foils are supplied without visible pinholes after examination without magnification. Foils 0.025mm or more in thickness are supplied LT unless otherwise stated.

Foils less than 0.025mm thick are normally supplied Not-Light Tested (NLT), and will normally contain pinholes but may occasionally be free from pinholes. Foils less than 0.025mm in thickness can often be supplied LT but may incur additional charges. Please specify if you require LT foils.

Vacuum tight

Vacuum tight foils show no detectable leakage when tested with a helium mass spectrometer with a sensitivity of 10^{-9} atm-cm³.s⁻¹.

Technical Data and Information

All information and technical data are given as a guide only. Although every effort has been made to ensure that the information is correct, no warranty is given as to its completeness or accuracy.

Tolerances

For details of our standard tolerances, please refer to the Product Description section. In many cases, closer tolerances are available but may be subject to an extra charge. If you have any special requirements it is important that you tell us at the time of ordering. This includes special tolerances, dimensional uniformity or any other special requirement which you may have (for example edge finish, packaging, labelling etc.).

Order information

General Information

There are over 70,000 stock packs listed and if you cannot find what you need amongst them, please ask for special sizes, thicknesses, tolerances, dimensions or larger quantities. We are also able to offer many other pure metals, alloys, polymers and ceramics to special order.

Method of shipment

The method of delivery is selected in order to give safe and rapid delivery; we normally use a door - to - door courier service although alternative methods may be used depending on the materials ordered.

Some of the materials supplied by Goodfellow are subject to special transport restrictions and are shipped accordingly. Any onward shipments should take account of these shipping requirements.

Despatch

We aim to have all of the items listed in this Catalog and on our website in stock in the sizes and quantities listed. Orders are usually shipped within 48 hours of receipt, but please contact your local office if a faster service is required.

Export Restrictions

A UK Government export licence may be required for some items to some destinations. If the item you require needs a special export licence or an end-use statement we will inform you at the time you order.

Materials Handling

Many of our materials are extremely delicate and it is essential every care is taken when handling them. Special attention is drawn to the extreme fragility of Microfoil, Microleaf and thinner and finer materials.

All materials are carefully packed to ensure safe transport of goods to your address. We do not accept responsibility for damage caused by mishandling once the outer transit packaging has been removed.

Exclusions

We supply materials according to our specification. All conditions warranties and representations regarding the quality, fitness for purpose or state, size, shape, capacity or color of goods supplied whether expressed or implied by common law or statute or otherwise are hereby expressly excluded. We shall not be liable for any damage direct or consequential arising from the use of goods supplied by us however such damage is caused, nor for delay in delivery.

Law

Customers in the USA: Contracts between Goodfellow Corporation and the customer shall be deemed to be subject in all respects to the laws of the Commonwealth of Pennsylvania, or the United States of America.

Customers in France: Contracts between Goodfellow SARL and the customer shall be deemed to be subject in all respects to French law unless otherwise agreed in writing

Customers in Germany: Contracts between Goodfellow GmbH and the customer shall be deemed to be subject in all respects to German law unless otherwise agreed in writing

Customers in the UK and all other countries: Contracts between Goodfellow Cambridge Limited and the customer shall be deemed to be subject in all respects to English law unless otherwise agreed in writing.

Copies of our General Terms and Conditions are available upon request or can be downloaded from our websites at www.goodfellow.com or www.goodfellowusa.com.

Company Details

Company Structure

The Goodfellow Group consists of five companies:

Goodfellow Cambridge Limited

Goodfellow was established in the City of London in 1946. The Company now has subsidiary operations in France, Germany and North America with the Group's research laboratories, workshop facilities & central administration located in Huntingdon, England.

Goodfellow Corporation

Established at the same time as our associate company in Germany, Goodfellow Corporation was set up to service the requirements of our customers in the USA.

Goodfellow SARL

Goodfellow established an operation in France in 1993 to meet the needs of our French-speaking customers in Europe.

Goodfellow GmbH

Since 1989, this member of the Goodfellow group of companies has been serving the needs of our German speaking customers within Europe.

Goodfellow (Shanghai) Trading Co., Ltd

Goodfellow established a representative office in Shanghai in 2006, and in 2012 followed this with the creation of a fully-fledged trading company, servicing the research and specialist manufacturing requirements of the Chinese market.

Goodfellow Cambridge Limited

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HUNTINGDON
PE29 6WR
England
Registered in England and Wales no. 1188162
VAT registration GB 212 8527 79

Goodfellow Corporation

125 Hookstown Grade Road
Coraopolis, PA 15108-9302
USA
A Pennsylvania corporation
EIN 23-2557381

Goodfellow SARL

229, rue Solférino
F-59000 Lille
France
Registered in Lille : RCS : B 381 486 836
Siren : 381486836
Numéro de TVA Intracommunitaire :
FR 06 381 486 836

Goodfellow GmbH

Postfach 13 43
D-61169 Friedberg
Germany
Registered in Friedberg (Hessen) No. HRB 1309
Import VAT number DE112610478

Goodfellow (Shanghai) Trading Co., Ltd

Fl. 23, 758 Nanjing Road West
SHANGHAI
200040
The People's Republic of China

Metals

Aluminum (Al)



Microfoil

AL004075 Thickness: **0.0075μm**, Specific density: 1.84μg.cm⁻², Purity: 99.999%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 50 mm

AL004500 Thickness: **0.1μm**, Specific density: 25.6μg.cm⁻², Purity: 99.999%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 50 mm

AL004600 Thickness: **0.25μm**, Specific density: 68.8μg.cm⁻², Purity: 99.999%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 50 mm

AL004700 Thickness: **0.5μm**, Specific density: 120.6μg.cm⁻², Purity: 99.999%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 50 mm

AL004850 Thickness: **1.0μm**, Specific density: 269.9μg.cm⁻², Purity: 99.999%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 50 mm



Microleaf

AL004915 Thickness: **0.15μm**, Specific density: 41.28μg.cm⁻², Purity: 99.999%, Support: Removable, Diameter: 10 mm to 25 mm

AL004925 Thickness: **0.25μm**, Specific density: 68.8μg.cm⁻², Purity: 99.999%, Support: Removable, Diameter: 10 mm to 25 mm

AL004950 Thickness: **0.5μm**, Specific density: 120.6μg.cm⁻², Purity: 99.999%, Support: Removable, Diameter: 10 mm to 25 mm

AL004990 Thickness: **1.0μm**, Specific density: 269.9μg.cm⁻², Purity: 99.999%, Support: Removable, Diameter: 10 mm to 25 mm



Foil

AL000210 Thickness: **0.0008mm**, Purity: 99.1%, Size: 30x30 mm to 160x160 mm

AL000271 Thickness: **0.0015mm**, Purity: 99.0%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

AL000300 Thickness: **0.002mm**, Purity: 99.1%, Size: 100x100 mm

AL000320 Thickness: **0.003mm**, Purity: 99.1%, Size: 100x100 mm

AL000345 Thickness: **0.0045mm**, Purity: 99.0%, Size: 25x25 mm to 300x300 mm

AL000360 Thickness: **0.006mm**, Purity: 99.0%, Size: 25x25 mm to 300x300 mm

AL000363 Thickness: **0.008mm**, Purity: 99.0%, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

AL000364 Thickness: **0.009mm**, Purity: 99.0%, Size: 25x25 mm to 300x300 mm

AL000375 Thickness: **0.010mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

AL000370 Thickness: **0.010mm**, Purity: 99.0%, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

AL000380 Thickness: **0.0125mm**, Purity: 99.0%, Size: 100x100 mm to 300x300 mm

AL000391 Thickness: **0.015mm**, High Purity: 99.999%, Size: 25x25 mm to 100x100 mm

AL000392 Thickness: **0.015mm**, Purity: 99.0%, Temper: Annealed, Coil width 300 mm, Size: 300x300 mm

AL000395 Thickness: **0.018mm**, Purity: 99.0%, Temper: Annealed, Coil width 300 mm, Size: 300x300 mm

AL000407 Thickness: **0.020mm**, Coil width: 10mm, Purity: 99.0%, Temper: Annealed, Length: 0.5 m

AL000406 Thickness: **0.020mm**, Coil width: 100mm, Purity: 99.0%, Temper: Annealed, Length: 0.5 m to 20 m

AL000400 Thickness: **0.020mm**, High Purity: 99.999%, Temper: As rolled, Size: 100x100 mm

AL000405 Thickness: **0.020mm**, Purity: 99.0%, Temper: Annealed, Coil width 300 mm, Size: 300x300 mm

AL000421 Thickness: **0.025mm**, Coil width: 25mm, Purity: 99.0%, Temper: Annealed, Length: 0.5 m to 10 m

AL000431 Thickness: **0.025mm**, High Purity: 99.999%, Temper: As rolled, Size: 100x100 mm

AL000420 Thickness: **0.025mm**, Purity: 99.0%, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

AL000422 Thickness: **0.025mm**, Purity: 99.0%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

AL000434 Thickness: **0.030mm**, Purity: 99.0%, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

AL000437 Thickness: **0.040mm**, Coil width: 31.4mm, Purity: 99.0%, Temper: Annealed, Length: 1 m to 50 m

AL000435 Thickness: **0.040mm**, Purity: 99.0%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

AL000485 Thickness: **0.050mm**, Coil width: .1mm, High Purity: 99.99+%, Temper: Half hard, Length: 0.5 m to 10 m

AL000492 Thickness: **0.05mm**, Coil width: 6mm, Purity: 99.0%, Temper: Annealed, Length: 0.5 m to 10 m

AL000491 Thickness: **0.05mm**, Coil width: 10mm, Purity: 99.0%, Temper: Annealed, Length: 0.5 m to 10 m

AL000481 Thickness: **0.050mm**, High Purity: 99.999%, Temper: As rolled, Coil width 250 mm, Size: 25x25 mm to 250x300 mm

AL000441 Thickness: **0.050mm**, Purity: 99.0%, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

AL000490 Thickness: **0.05mm**, Purity: 99.0%, Temper: Annealed, Coil width 300 mm, Size: 150x150 mm to 300x300 mm

AL000510 Thickness: **0.060mm**, Purity: 99.0%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

AL000520 Thickness: **0.075mm**, Purity: 99.0%, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

AL000530 Thickness: **0.075mm**, Purity: 99.0%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

AL000531 Thickness: **0.08mm**, Purity: 99.0%, Temper: Hard, Size: 25x25 mm to 200x300 mm

AL000540 Thickness: **0.09mm**, Purity: 99.99%, Temper: Annealed, Coil width 215 mm, Size: 25x25 mm to 150x150 mm

AL000565 Thickness: **0.1mm**, Purity: 99.999%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

Metals

AL000562 Thickness: 0.10mm , Coil width: 152mm, Purity: 99.0%, Temper: Annealed, Length: 1 m to 20 m	AL000637 Thickness: 0.32mm , High Purity: 99.999%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 300x300 mm
AL000555 Thickness: 0.10mm , Purity: 99.0%, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm	AL000638 Thickness: 0.38mm , Purity: 99.0%, Temper: Half hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
AL000557 Thickness: 0.10mm , Purity: 99.0%, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm	AL000648 Thickness: 0.5mm , Purity: 99.0%, Temper: Half hard, Diameter: 33 mm
AL000558 Thickness: 0.10mm , Purity: 99.5%, Temper: Annealed, Coil width 305 mm, Size: 50x50 mm to 300x300 mm	AL000651 Thickness: 0.50mm , High Purity: 99.999%, Temper: As rolled, Condition: Polished on both sides, Size: 50x50 mm
AL000563 Thickness: 0.10mm , Coil width: 610mm, Purity: 99.0%, Temper: Annealed, Length: 1 m	AL000647 Thickness: 0.5mm , Purity: 99.0%, Temper: Half hard, Condition: Polished on both sides, Size: 50x50 mm to 100x100 mm
AL000560 Thickness: 0.116mm , High Purity: 99.999%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm	AL000650 Thickness: 0.50mm , High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 300x300 mm
AL000581 Thickness: 0.125mm , High Purity: 99.999%, Temper: Hard, Coil width 100 mm, Size: 25x25 mm to 100x100 mm	AL000645 Thickness: 0.5mm , Purity: 99.0%, Temper: Half hard, Size: 100x100 mm to 500x500 mm
AL000570 Thickness: 0.125mm , High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 50x50 mm	AL000680 Thickness: 0.80mm , Purity: 99.0%, Temper: Half hard, Size: 25x25 mm to 300x300 mm
AL000580 Thickness: 0.125mm , High Purity: 99.999%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 300x300 mm	AL000695 Thickness: 0.9mm , Purity: 99.0%, Temper: Half hard, Size: 25x25 mm to 50x50 mm
AL000592 Thickness: 0.125mm , Purity: 99.0%, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm	AL000701 Thickness: 1.0mm , Purity: 99.0%, Temper: Half hard, Diameter: 33 mm
AL000594 Thickness: 0.125mm , Purity: 99.0%, Temper: Hard, Size: 150x150 mm to 300x300 mm	AL000690 Thickness: 1.0mm , High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 300x300 mm
AL000591 Thickness: 0.125mm , Purity: 99.0%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm	AL000700 Thickness: 1.0mm , Purity: 99.0%, Temper: Half hard, Size: 25x25 mm to 300x300 mm
AL000601 Thickness: 0.15mm , Purity: 99.0%, Temper: Hard, Coil width 305 mm, Size: 25x25 mm to 300x300 mm	AL000720 Thickness: 1.5mm , High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 300x300 mm
AL000603 Thickness: 0.16mm , Purity: 99.999%, Temper: As rolled, Diameter: 7 mm to 19 mm	AL000730 Thickness: 1.5mm , Purity: 99.0%, Temper: Half hard, Size: 25x25 mm to 300x300 mm
AL000614 Thickness: 0.20mm , Purity: 99.0%, Temper: Hard, Size: 25x25 mm to 200x300 mm	AL000731 Thickness: 1.5mm , Purity: 99.0%, Temper: Half hard, Condition: Polished on both sides, Size: 50x50 mm to 200x200 mm
AL000611 Thickness: 0.20mm , Purity: 99.0%, Temper: Hard, Coil width 305 mm, Size: 25x25 mm to 300x300 mm	AL000760 Thickness: 2.0mm , High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 300x300 mm
AL000612 Thickness: 0.20mm , Purity: 99.0%, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm	AL000761 Thickness: 2.0mm , High Purity: 99.999%, Temper: As rolled, Condition: Polished on both sides, Size: 100x100 mm
AL000628 Thickness: 0.20mm , High Purity: 99.999%, Temper: As rolled, Coil width 305 mm, Size: 25x25 mm to 300x300 mm	AL000750 Thickness: 2.0mm , Purity: 99.0%, Temper: Half hard, Size: 25x25 mm to 300x300 mm
AL000613 Thickness: 0.20mm , Coil width: 600mm, Purity: 99.0%, Temper: Hard, Length: 0.5 m to 10 m	AL000770 Thickness: 3.0mm , High Purity: 99.999%, Temper: As rolled, Size: 150x150 mm to 300x300 mm
AL000609 Thickness: 0.20mm , Purity: 99.0%, Temper: Annealed, Coil width 610 mm, Size: 25x25 mm to 300x300 mm	AL000765 Thickness: 3.0mm , Purity: 99.0%, Temper: Half hard, Size: 150x150 mm to 1000x1000 mm
AL000630 Thickness: 0.25mm , High Purity: 99.999%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm	AL000775 Thickness: 4.0mm , Purity: 99.0%, Temper: Half hard, Size: 300x300 mm
AL000621 Thickness: 0.25mm , Purity: 99.0%, Temper: Hard, Coil width 305 mm, Size: 25x25 mm to 300x300 mm	AL000782 Thickness: 5.0mm , Purity: 99.0%, Temper: Half hard, Size: 100x100 mm
AL000622 Thickness: 0.25mm , Purity: 99.0%, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm	AL000780 Thickness: 5.0mm , High Purity: 99.999%, Temper: As rolled, Size: 150x150 mm to 300x300 mm
AL000636 Thickness: 0.3mm , Purity: 99.0%, Temper: Hard, Size: 25x25 mm to 200x300 mm	AL000786 Thickness: 6.0mm , Purity: 99.0%, Temper: Half hard, Size: 100x100 mm to 200x200 mm
AL000635 Thickness: 0.3mm , Purity: 99.0%, Temper: Half hard, Coil width 305 mm, Size: 25x25 mm to 300x300 mm	AL000785 Thickness: 6.0mm , High Purity: 99.999%, Temper: As rolled, Size: 100x100 mm to 300x300 mm
	AL000789 Thickness: 9.0mm , High Purity: 99.999%, Size: 127x444 mm

Metals

AL000790 Thickness: **10.0mm**, High Purity: 99.999%, Temper: As rolled, Size: 150x150 mm to 300x300 mm

AL000792 Thickness: **12.0mm**, High Purity: 99.999%, Temper: As rolled, Size: 146x464 mm

AL000795 Thickness: **15.0mm**, High Purity: 99.999%, Temper: As rolled, Size: 200x200 mm

AL000798 Thickness: **25.0mm**, Purity: 99.99%, Temper: As rolled, Size: 200x200 mm



Honeycomb

AL002510 Thickness: **5mm**, Cell size: 3.2mm, Cell Wall: 0.025mm, Core Density: 0.072g.cm⁻³, Adhesive (Resin): Phenolic, Size: 300x300 mm to 600x600 mm

AL002960 Thickness: **5mm**, Cell size: 19mm, Cell Wall: 0.064mm, Core Density: 0.029g.cm⁻³, Adhesive (Resin): Phenolic, Size: 300x300 mm to 600x600 mm

AL002910 Thickness: **5mm**, Cell size: 13mm, Cell Wall: 0.1mm, Core Density: 0.062g.cm⁻³, Adhesive (Resin): Phenolic, Size: 300x300 mm to 600x600 mm

AL002520 Thickness: **10mm**, Cell size: 3.2mm, Cell Wall: 0.025mm, Core Density: 0g.cm⁻³, Adhesive (Resin): Phenolic, Size: 150x150 mm to 600x600 mm

AL002720 Thickness: **10mm**, Cell size: 6.3mm, Cell Wall: 0.064mm, Core Density: 0.083g.cm⁻³, Adhesive (Resin): Phenolic, Size: 300x300 mm to 600x600 mm

AL002655 Thickness: **13.8mm**, Cell size: 6.3mm, Cell Wall: 0.064mm, Core Density: 0.083g.cm⁻³, Adhesive (Resin): Phenolic, Facing skin: Glass fiber 0.5mm, Size: 150x150 mm to 600x600 mm

AL002656 Thickness: **13.9mm**, Cell size: 6.3mm, Cell Wall: 0.064mm, Core Density: 0.083g.cm⁻³, Adhesive (Resin): Phenolic, Facing skin: Aluminum 0.55mm, Size: 300x300 mm to 600x600 mm

AL002540 Thickness: **20mm**, Cell size: 3.2mm, Cell Wall: 0.025mm, Core Density: 0.072g.cm⁻³, Adhesive (Resin): Phenolic, Size: 300x300 mm to 600x600 mm

AL002640 Thickness: **20mm**, Cell size: 4.8mm, Cell Wall: 0.038mm, Core Density: 0.070g.cm⁻³, Adhesive (Resin): Phenolic, Size: 300x300 mm to 600x600 mm

AL002940 Thickness: **20mm**, Cell size: 13mm, Cell Wall: 0.1mm, Core Density: 0.062g.cm⁻³, Adhesive (Resin): Phenolic, Size: 300x300 mm

AL002675 Thickness: **26.5mm**, Cell size: 6.3mm, Cell Wall: 0.064mm, Core Density: 0.083g.cm⁻³, Adhesive (Resin): Phenolic, Facing skin: Glass fiber 0.5mm, Size: 300x300 mm to 600x600 mm

AL002676 Thickness: **26.5mm**, Cell size: 6.3mm, Cell Wall: 0.064mm, Core Density: 0.083g.cm⁻³, Adhesive (Resin): Phenolic, Facing skin: Aluminum 0.55mm, Size: 300x300 mm to 600x600 mm

AL002678 Thickness: **26.5mm**, Cell size: 6.3mm, Cell Wall: 0.064mm, Core Density: 0.083g.cm⁻³, Adhesive (Resin): Phenolic, Facing skin: Carbon Fiber / Epoxy, Size: 300x300 mm to 600x600 mm

AL002695 Thickness: **52.3mm**, Cell size: 6.3mm, Cell Wall: 0.064mm, Core Density: 0.083g.cm⁻³, Adhesive (Resin): Phenolic, Facing skin: Glass fiber 0.75mm, Size: 300x300 mm to 600x600 mm

AL002696 Thickness: **52.3mm**, Cell size: 6.3mm, Cell Wall: 0.064mm, Core Density: 0.083g.cm⁻³, Adhesive (Resin): Phenolic, Facing skin: Aluminum 0.55mm, Size: 150x150 mm to 300x300 mm



Sputtering Target

AL009200 Thickness: **2.0mm**, High Purity: 99.999%, Size: 25 mm to 100 mm

AL009300 Thickness: **3.0mm**, High Purity: 99.999%, Size: 25 mm to 100 mm

AL009500 Thickness: **5.0mm**, High Purity: 99.999%, Size: 50 mm to 75 mm

AL009600 Thickness: **6.0mm**, High Purity: 99.999%, Size: 50 mm to 75 mm

AL009605 Thickness: **6.35mm**, High Purity: 99.999%, Size: 101.6 mm

AL009900 Thickness: **10.0mm**, High Purity: 99.999%, Size: 50 mm to 75 mm



Foam

AL003802 Thickness: **3.2mm**, Bulk density: 0.2g.cm⁻³, Porosity: 93%, Pores/cm: 16, Purity: 98.5%, Grade: Aluminum 6101, Size: 150x150 mm

AL003803 Thickness: **3.2mm**, Bulk density: 0.2g.cm⁻³, Porosity: 93%, Pores/cm: 16, Purity: 98.5%, Grade: Aluminum 6101, Size: 300x300 mm

AL003805 Thickness: **6.35mm**, Bulk density: 0.2g.cm⁻³, Porosity: 93%, Pores/cm: 2, Purity: 98.5%, Grade: Aluminum 6101, Size: 150x150 mm

AL003810 Thickness: **6.35mm**, Bulk density: 0.2g.cm⁻³, Porosity: 93%, Pores/cm: 4, Purity: 98.5%, Grade: Aluminum 6101, Size: 150x150 mm

AL003815 Thickness: **6.35mm**, Bulk density: 0.2g.cm⁻³, Porosity: 93%, Pores/cm: 8, Purity: 98.5%, Grade: Aluminum 6101, Size: 150x150 mm

AL003825 Thickness: **6.35mm**, Bulk density: 0.2g.cm⁻³, Porosity: 93%, Pores/cm: 16, Purity: 98.5%, Grade: Aluminum 6101, Size: 150x150 mm

AL003826 Thickness: **6.35mm**, Bulk density: 0.2g.cm⁻³, Porosity: 93%, Pores/cm: 16, Purity: 98.5%, Grade: Aluminum 6101, Size: 300x400 mm

AL003835 Thickness: **10mm**, Bulk density: 0.2g.cm⁻³, Porosity: 93%, Pores/cm: 16, Purity: 98.5%, Grade: Aluminum 6101, Size: 150x150 mm

AL003845 Thickness: **20mm**, Bulk density: 0.2g.cm⁻³, Porosity: 93%, Pores/cm: 2, Purity: 98.5%, Grade: Aluminum 6101, Size: 33x140 mm

AL003860 Thickness: **30mm**, Bulk density: 0.2g.cm⁻³, Porosity: 93%, Pores/cm: 16, Purity: 98.5%, Grade: Aluminum 6101, Size: 150x150 mm

AL003861 Thickness: **30mm**, Bulk density: 0.2g.cm⁻³, Porosity: 93%, Pores/cm: 2, Purity: 98.5%, Grade: Aluminum 6101, Size: 100x100 mm to 150x150 mm

AL003880 Thickness: **46mm**, Bulk density: 0.77g.cm⁻³, Purity: 99.5%, Condition: Stacked 10mm diameter cells on 5mm base, Size: 70x100 mm to 98x107 mm

Metals



Mesh

AL008722 Nominal Aperture: **0.11mm**, Wire diameter: 0.1mm, Wires/inch: 120x120, Open area: 27%, Weave: Twill, Grade: Aluminium alloy 5056, Size: 100x100 mm to 500x500 mm

AL008710 Nominal Aperture: **0.38mm**, Wire diameter: 0.25mm, Wires/inch: 40x40, Open area: 37%, Type: Plain weave mesh, Condition: Aluminium alloy 5052, Size: 150x150 mm to 900x900 mm



Wire

AL005105 Diameter: **0.005mm**, Purity: 99.95%, Temper: Hard

AL005120 Diameter: **0.015mm**, Purity: 99.99%, Temper: Hard

AL005130 Diameter: **0.02mm**, Purity: 99.99%, Temper: Hard

AL005133 Diameter: **0.025mm**, Purity: 99.0 + %, Temper: As drawn

AL005134 Diameter: **0.025mm**, Purity: 99.99 + %, Temper: As drawn

AL005137 Diameter: **0.05mm**, Purity: 99.99 + %, Temper: As drawn

AL005138 Diameter: **0.063mm**, Purity: 99.99%, Temper: Annealed

AL005140 Diameter: **0.125mm**, Purity: 99.5%, Temper: As drawn

AL005145 Diameter: **0.125mm**, Purity: 99.99 + %, Temper: As drawn

AL005148 Diameter: **0.2mm**, High Purity: 99.999%, Temper: As drawn

AL005155 Diameter: **0.25mm**, Purity: 99.95%, Temper: As drawn

AL005160 Diameter: **0.25mm**, High Purity: 99.99 + %, Temper: Hard

AL005150 Diameter: **0.25mm**, Purity: 99.5%, Temper: As drawn

AL005162 Diameter: **0.25mm**, High Purity: 99.999%, Temper: As drawn

AL005164 Diameter: **0.30mm**, Purity: 99.5%, Temper: As drawn

AL005167 Diameter: **0.35mm**, High Purity: 99.999%, Temper: As drawn

AL005173 Diameter: **0.5mm**, Purity: 99.95%, Temper: As drawn

AL005170 Diameter: **0.5mm**, Purity: 99.5%, Temper: As drawn

AL005172 Diameter: **0.5mm**, High Purity: 99.999%, Temper: As drawn

AL005175 Diameter: **0.6mm**, Purity: 99.99 + %, Temper: Unannealed

AL005177 Diameter: **0.7mm**, High Purity: 99.999%, Temper: As drawn

AL005176 Diameter: **0.7mm**, Purity: 99.5%, Temper: As drawn

AL005183 Diameter: **1.0mm**, Purity: 99.95%, Temper: As drawn

AL005182 Diameter: **1.0mm**, High Purity: 99.999%, Temper: As drawn

AL005180 Diameter: **1.0mm**, Purity: 99.5%, Temper: As drawn

AL005185 Diameter: **1.5mm**, High Purity: 99.999%, Temper: As drawn

AL005187 Diameter: **1.8mm**, Purity: 99.99 + %, Temper: As drawn

AL005200 Diameter: **2.0mm**, High Purity: 99.999%, Temper: As drawn

AL005250 Diameter: **3.0mm**, High Purity: 99.999%, Temper: As drawn

AL005260 Diameter: **4mm**, High Purity: 99.999%, Temper: As drawn



Insulated Wire

AL005840 Conductor diameter: **0.05mm**, Insulation thickness: 0.008mm, Purity: 99.95%, Insulation: Polyimide

AL005850 Conductor diameter: **0.1mm**, Insulation thickness: 0.005mm, Purity: 99.95%, Insulation: Polyimide



Rod

AL007902 Diameter: **3.0mm**, Purity: 99.95%, Temper: As drawn, Length: 100 mm to 1000 mm

AL007903 Diameter: **4.0mm**, Purity: 99.95%, Temper: As drawn, Length: 100 mm to 1000 mm

AL007901 Diameter: **5.0mm**, High Purity: 99.999%, Temper: As drawn, Length: 100 mm to 1000 mm

AL007906 Diameter: **6.0mm**, High Purity: 99.999%, Temper: As drawn, Length: 100 mm to 1000 mm

AL007907 Diameter: **6.35mm**, Purity: 99.95%, Temper: Unannealed, Length: 155 mm

AL007910 Diameter: **10.0mm**, High Purity: 99.999%, Temper: As drawn, Length: 100 mm to 1000 mm

AL007912 Diameter: **12.0mm**, High Purity: 99.999%, Temper: As drawn, Length: 100 mm to 1000 mm

AL007913 Diameter: **12.7mm**, Purity: 99.0%, Length: 100 mm to 1000 mm

AL007915 Diameter: **15.0mm**, High Purity: 99.999%, Temper: As drawn, Length: 100 mm to 1000 mm

AL007917 Diameter: **17.0mm**, High Purity: 99.99 + %, Temper: As drawn, Length: 50 mm to 1000 mm

AL007920 Diameter: **20.0mm**, High Purity: 99.999%, Temper: As drawn, Length: 50 mm to 1000 mm

AL007924 Diameter: **24.0mm**, Purity: 98.5%, Condition: Foam Rod, Grade: Aluminum 6101, Length: 150 mm

AL007925 Diameter: **25.0mm**, High Purity: 99.999%, Temper: As drawn, Length: 50 mm to 1000 mm

AL007928 Diameter: **28mm**, High Purity: 99.999%, Temper: As drawn, Length: 50 mm to 100 mm

AL007930 Diameter: **30.0mm**, High Purity: 99.999%, Temper: As drawn, Length: 50 mm to 1000 mm

AL007950 Diameter: **50.0mm**, High Purity: 99.999%, Temper: As drawn, Length: 25 mm to 500 mm

AL007970 Diameter: **70mm**, High Purity: 99.999%, Condition: Extruded, Length: 25 mm to 500 mm

AL007975 Diameter: **77.5mm**, High Purity: 99.999%, Condition: Extruded, Length: 44 mm



Tube

AL007030 Outside Diameter: **0.30mm**, Wall Thickness: 0.05mm, Inside Diameter: 0.2mm, Purity: 99.5%, Temper: As drawn, Length: 100 mm to 1000 mm

AL007031 Outside Diameter: **0.30mm**, Wall Thickness: 0.05mm, Inside Diameter: 0.2mm, Purity: 99.5%, Temper: As drawn, Length: 0.1 m to 2 m

Metals

AL007025 Outside Diameter: **0.55mm**, Wall Thickness: 0.075mm, Inside Diameter: 0.4mm, Purity: 99.5%, Temper: As drawn, Length: 100 mm to 1000 mm

AL007020 Outside Diameter: **0.6mm**, Wall Thickness: 0.15mm, Inside Diameter: 0.3mm, Purity: 99.5%, Temper: As drawn, Length: 100 mm to 1000 mm

AL007040 Outside Diameter: **0.86mm**, Wall Thickness: 0.05mm, Inside Diameter: 0.76mm, Purity: 99.5%, Temper: As drawn, Length: 100 mm to 1000 mm

AL007050 Outside Diameter: **1.42mm**, Wall Thickness: 0.127mm, Inside Diameter: 1.166mm, Purity: 99.5%, Temper: As drawn, Length: 100 mm to 1000 mm

AL007100 Outside Diameter: **1.96mm**, Wall Thickness: 0.28mm, Inside Diameter: 1.4mm, Purity: 99.5%, Temper: As drawn, Length: 100 mm to 1000 mm

AL007200 Outside Diameter: **3.0mm**, Wall Thickness: 0.69mm, Inside Diameter: 1.62mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm

AL007450 Outside Diameter: **9.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 8mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm

AL007500 Outside Diameter: **12.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 11mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm

AL007750 Outside Diameter: **25.4x25.4mm**, Wall Thickness: 1.6mm, Inside Diameter: 22.2x22.2mm, Purity: 99.5%, Condition: Square section, Length: 100 mm to 1000 mm



Powder

AL006004 Mean Particle size: **0.08micron**, Purity: 99.9%, Condition: Nanopowder

AL006038 Max. Particle size: **15micron**, Purity: 99%

AL006035 Max. Particle size: **25micron**, Purity: 99%

AL006031 Max. Particle size: **60micron**, Purity: 99.9%

AL006015 Max. Particle size: **125micron**, Purity: 99.5%

AL006010 Max. Particle size: **400micron**, Purity: 99.5%



Lump

AL006102 Max. Lump size: **5mm**, High Purity: 99.999%, Condition: Pellets

AL006108 Max. Lump size: **6mm**, High Purity: 99.999%, Condition: Pellets

AL006100 Max. Lump size: **10mm**, High Purity: 99.999%, Condition: Pellets

AL006106 Max. Lump size: **10mm**, High Purity: 99.9995%, Condition: Pellets

AL006107 Max. Lump size: **10mm**, High Purity: 99.9999%, Condition: Pellets

AL006103 Max. Lump size: **15mm**, High Purity: 99.999%, Condition: Pellets

AL006105 Max. Lump size: **15mm**, High Purity: 99.999%, Condition: Pellets

AL006104 Max. Lump size: **20mm**, High Purity: 99.999%, Condition: Pellets



Sphere

AL006810 Diameter: **1.0mm**, Tolerance: $\pm 25.4\mu\text{m}$, Sphericity: 5.08 μm , Purity: 95.2%, Grade: Aluminum alloy 2017, Grade: Precision Sphere, Condition: Grade 200

AL006820 Diameter: **2.0mm**, Tolerance: $\pm 25.4\mu\text{m}$, Sphericity: 5.08 μm , Purity: 95.2%, Grade: Aluminum alloy 2017, Grade: Precision Sphere, Condition: Grade 200

AL006825 Diameter: **2.5mm**, Tolerance: $\pm 25.4\mu\text{m}$, Sphericity: 5.08 μm , Purity: 95.2%, Grade: Aluminum alloy 2017, Grade: Precision Sphere, Condition: Grade 200

AL006830 Diameter: **3.0mm**, Tolerance: $\pm 25.4\mu\text{m}$, Sphericity: 5.08 μm , Purity: 95.2%, Grade: Aluminum alloy 2017, Grade: Precision Sphere, Condition: Grade 200

AL006860 Diameter: **6.0mm**, Tolerance: $\pm 25.4\mu\text{m}$, Sphericity: 5.08 μm , Purity: 99.0%



Single Crystal

AL002130 Oriented: **(100)**, Diameter: 12mm, Length: 5mm, Purity: 99.999%

AL002102 Oriented: **(100)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

AL002101 Oriented: **(100)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.999%, Condition: Unpolished

AL002131 Oriented: **(100)**, Diameter: 12mm, Length: 10mm, Purity: 99.999%

AL002111 Oriented: **(100)**, Thickness: 2mm, Diameter: 12mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

AL002110 Oriented: **(100)**, Thickness: 2mm, Diameter: 12mm, Purity: 99.999%, Condition: Unpolished

AL002135 Oriented: **(100)**, Diameter: 5mm, Length: 25mm, Purity: 99.999%

AL002134 Oriented: **(100)**, Diameter: 10mm, Length: 25mm, Purity: 99.999%

AL002132 Oriented: **(100)**, Diameter: 12mm, Length: 25mm, Purity: 99.999%

AL002136 Oriented: **(100)**, Diameter: 5mm, Length: 50mm, Purity: 99.999%

AL002133 Oriented: **(100)**, Diameter: 12mm, Length: 50mm, Purity: 99.999%

AL002104 Oriented: **(110)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

AL002103 Oriented: **(110)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.999%, Condition: Unpolished

AL002118 Oriented: **(110)**, Diameter: 12mm, Length: 10mm, Purity: 99.999%

AL002113 Oriented: **(110)**, Thickness: 2mm, Diameter: 12mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

AL002112 Oriented: **(110)**, Thickness: 2mm, Diameter: 12mm, Purity: 99.999%, Condition: Unpolished

AL002121 Oriented: **(110)**, Diameter: 5mm, Length: 25mm, Purity: 99.999%

AL002119 Oriented: **(110)**, Diameter: 12mm, Length: 25mm, Purity: 99.999%

AL002122 Oriented: **(110)**, Diameter: 5mm, Length: 50mm, Purity: 99.999%

AL002120 Oriented: **(110)**, Diameter: 12mm, Length: 50mm, Purity: 99.999%

AL002140 Oriented: **(111)**, Diameter: 12mm, Length: 5mm, Purity: 99.999%

AL002106 Oriented: **(111)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

Metals

- AL002105** Oriented: **(111)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.999%, Condition: Unpolished
- AL002141** Oriented: **(111)**, Diameter: 12mm, Length: 10mm, Purity: 99.999%
- AL002107** Oriented: **(111)**, Thickness: 2mm, Diameter: 12mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron,
- AL002108** Oriented: **(111)**, Thickness: 2mm, Diameter: 12mm, Purity: 99.999%, Condition: Unpolished,
- AL002144** Oriented: **(111)**, Diameter: 5mm, Length: 25mm, Purity: 99.999%
- AL002142** Oriented: **(111)**, Diameter: 12mm, Length: 25mm, Purity: 99.999%
- AL002145** Oriented: **(111)**, Diameter: 5mm, Length: 50mm, Purity: 99.999%
- AL002143** Oriented: **(111)**, Diameter: 12mm, Length: 50mm, Purity: 99.999%
- AL002109** Oriented: **Random**, Diameter: 5mm, Length: 5mm, Purity: 99.999%

Antimony (Sb)



Microfoil

- SB004700** Thickness: **0.5µm**, Specific density: 334.5µg.cm⁻², Purity: 95+%, Permanent support: 6 micron Aluminum, Size: 25x25 mm to 50x50 mm



Foil

- SB000030** Thickness: **0.002mm**, Purity: 95+%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm
- SB000060** Thickness: **0.004mm**, Purity: 95+%, Support: Permanent Polyester, Size: 25x25 mm
- SB000070** Thickness: **0.005mm**, Purity: 95+%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm
- SB000080** Thickness: **0.006mm**, Purity: 95+%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm
- SB000090** Thickness: **0.007mm**, Purity: 95+%, Support: Permanent Polyester, Size: 25x25 mm
- SB000100** Thickness: **0.008mm**, Purity: 95+%, Support: Permanent Polyester, Size: 25x25 mm
- SB000110** Thickness: **0.009mm**, Purity: 95+%, Support: Permanent Polyester, Size: 25x25 mm
- SB000120** Thickness: **0.01mm**, Purity: 95+%, Support: Permanent Polyester, Size: 25x25 mm to 100x100 mm
- SB000130** Thickness: **0.0125mm**, Purity: 95+%, Support: Permanent Polyester, Size: 50x50 mm
- SB000140** Thickness: **0.015mm**, Purity: 95+%, Support: Permanent Polyester, Size: 25x25 mm to 100x100 mm
- SB000150** Thickness: **0.02mm**, Purity: 95+%, Support: Permanent Polyester, Size: 22x25 mm to 50x50 mm
- SB000160** Thickness: **0.025mm**, Purity: 95+%, Support: Permanent Polyester, Size: 25x25 mm to 100x100 mm
- SB000180** Thickness: **0.04mm**, Purity: 95+%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm
- SB000190** Thickness: **0.05mm**, Purity: 95+%, Support: Permanent Polyester, Size: 50x50 mm to 100x100 mm

- SB000300** Thickness: **2mm**, Condition: Hot-pressed, Size: 50x50 mm



Sputtering Target

- SB009300** Thickness: **3mm**, Size: 25 mm to 50.8 mm



Rod

- SB007902** Diameter: **2.0mm**, Purity: 99.99%, Length: 15 mm to 50 mm
- SB007906** Diameter: **4.7mm**, Purity: 99.999%, Length: 20 mm to 50 mm
- SB007910** Diameter: **6mm**, High Purity: 99.999%, Length: 6 mm



Powder

- SB006030** Max. Particle size: **45micron**, Purity: 99.5+%
- SB006021** Max. Particle size: **75micron**, Purity: 99.2%
- SB006010** Max. Particle size: **150micron**, Purity: 99.2%
- SB006015** Max. Particle size: **150micron**, High Purity: 99.999%



Lump

- SB006130** Max. Lump size: **4mm**, Purity: 99.5+%
- SB006120** Max. Lump size: **5mm**, High Purity: 99.9999%
- SB006100** Max. Lump size: **20mm**, High Purity: 99.999%



Single Crystal

- SB002112** Oriented: **(111)**, Thickness: 2mm, Diameter: 12mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron
- SB002111** Oriented: **(111)**, Thickness: 2mm, Diameter: 12mm, Purity: 99.999%, Condition: Unpolished

Arsenic (As)



Lump

- AS006125** Max. Lump size: **20mm**, Purity: 99.99%
- AS006105** Max. Lump size: **20mm**, High Purity: 99.9999%

Barium (Ba)



Lump

- BA006100** Max. Lump size: **25mm**, Purity: 99.0%, Packing Note: Packed in Oil

Beryllium (Be)



Foil

- BE000050** Thickness: **0.00025mm**, Purity: 99.9%, Support: Temporary Copper, Size: 12.5x12.5 mm to 25x25 mm
- BE000151** Thickness: **0.005mm**, Purity: 99.0%, Size: 12.5x12.5 mm to 25x25 mm
- BE000200** Thickness: **0.01mm**, Purity: 99.8+%, Size: 12.5x12.5 mm to 50x50 mm
- BE000210** Thickness: **0.015mm**, Purity: 99.8+%, Size: 10x10 mm to 50x50 mm
- BE000220** Thickness: **0.025mm**, Purity: 99.8+%, Condition: Vacuum tight, Size: 25x25 mm to 50x50 mm
- BE000221** Thickness: **0.025mm**, Tolerance: 20%, Purity: 99.8%, Condition: Vacuum tight, Diameter: 15 mm to 25.4 mm
- BE000229** Thickness: **0.125mm**, Purity: 99.0%, Condition: Vacuum tight, Diameter: 20 mm

Metals

BE000231 Thickness: **0.125mm**, Purity: 99.8 + %, Condition: Vacuum tight, Size: 25x25 mm

BE000235 Thickness: **0.125mm**, Purity: 99.8%, Condition: Vacuum tight, Diameter: 25 mm

BE000236 Thickness: **0.125mm**, Purity: 99.8%, Condition: Vacuum tight, Diameter: 18.8 mm

BE000230 Thickness: **0.125mm**, Purity: 99.0%, Condition: Vacuum tight, Size: 25x25 mm to 50x50 mm

BE000232 Thickness: **0.125mm**, Purity: 99.8 + %, Condition: Vacuum tight, Size: 50x50 mm

BE000233 Thickness: **0.125mm**, Purity: 99.8 + %, Condition: Vacuum tight, Size: 100x100 mm

BE000252 Thickness: **0.25mm**, Purity: 99.8%, Condition: Vacuum tight, Diameter: 15 mm to 20 mm

BE000241 Thickness: **0.25mm**, Purity: 99.0%, Condition: Vacuum tight, Diameter: 25 mm

BE000251 Thickness: **0.25mm**, Purity: 99.8%, Condition: Vacuum tight, Diameter: 29 mm

BE000240 Thickness: **0.25mm**, Purity: 99.0%, Condition: Vacuum tight, Size: 25x25 mm to 100x100 mm

BE000250 Thickness: **0.25mm**, Purity: 99.8 + %, Condition: Vacuum tight, Size: 25x25 mm to 100x100 mm

BE000303 Thickness: **0.5mm**, Purity: 99.8%, Condition: Vacuum tight, Diameter: 10 mm

BE000300 Thickness: **0.5mm**, Purity: 99.8 + %, Condition: Vacuum tight, Size: 25x25 mm

BE000301 Thickness: **0.5mm**, Purity: 99.8 + %, Condition: Vacuum tight, Size: 50x50 mm

BE000289 Thickness: **0.5mm**, Purity: 99.0%, Condition: Vacuum tight, Diameter: 25 mm

BE000290 Thickness: **0.5mm**, Purity: 99.0%, Condition: Vacuum tight, Size: 25x25 mm to 100x100 mm

BE000350 Thickness: **1.0mm**, Purity: 99.8 + %, Condition: Vacuum tight, Size: 25x25 mm

BE000351 Thickness: **1.0mm**, Purity: 99.8 + %, Condition: Vacuum tight, Size: 50x50 mm

BE000330 Thickness: **1.0mm**, Purity: 99.0%, Condition: Vacuum tight, Size: 25x25 mm to 100x100 mm

BE000331 Thickness: **1.0mm**, Purity: 99.0%, Condition: Vacuum tight, Diameter: 10 mm

BE000400 Thickness: **2.0mm**, Purity: 99.8 + %, Condition: Vacuum tight, Size: 25x25 mm

BE000361 Thickness: **2.0mm**, Purity: 99.0%, Condition: Vacuum tight, Diameter: 50 mm

BE000360 Thickness: **2.0mm**, Purity: 99.0%, Condition: Vacuum tight, Size: 10x10 mm to 100x100 mm



Sputtering Target

BE009050 Thickness: **0.5mm**, Purity: 99.0%, Size: 25 mm to 50 mm

BE009100 Thickness: **1.0mm**, Purity: 99.0%, Size: 25 mm to 50 mm

BE009200 Thickness: **2.0mm**, Purity: 99.0%, Size: 25 mm to 50 mm

BE009300 Thickness: **3.0mm**, Purity: 99.0%, Size: 25 mm to 50 mm



Mesh

BE008710 Nominal Aperture: **0.13mm**, Thickness: 0.025mm, Wire diameter: 0.1mm, Wires/inch: 100, Open area: 50 %, Type: Electro-formed mesh, Size: 5x5 mm



Wire

BE005100 Diameter: **0.05mm**, Purity: 99.7%, Condition: Annealed and Clean

BE005110 Diameter: **0.125mm**, Purity: 99.7%, Condition: Annealed and Clean

BE005115 Diameter: **0.25mm**, Purity: 99.7%, Condition: Annealed and Clean

BE005120 Diameter: **0.356mm**, Purity: 99.7%, Condition: Annealed and Clean

BE005125 Diameter: **0.5mm**, Purity: 99.0%, Condition: Annealed and Clean

BE005126 Diameter: **0.6mm**, Purity: 99.0%, Condition: Annealed and Clean

BE005128 Diameter: **0.75mm**, Purity: 99.0%, Condition: Annealed and Clean

BE005129 Diameter: **0.85mm**, Purity: 99.0%, Condition: Annealed and Clean

BE005131 Diameter: **1.2mm**, Purity: 99.7%



Rod

BE007930 Diameter: **7.0mm**, Purity: 99.0%, Length: 100 mm



Flake

BE006200 Max. Flake size: **10mm**, Purity: 99.5%, Condition: Electrolytic

Bismuth (Bi)



Foil

BI000020 Thickness: **0.001mm**, Purity: 99.97%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

BI000030 Thickness: **0.002mm**, Purity: 99.97%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

BI000040 Thickness: **0.0025mm**, Purity: 99.97%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

BI000070 Thickness: **0.005mm**, Purity: 99.97%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

BI000120 Thickness: **0.01mm**, Purity: 99.97%, Support: Permanent Polyester, Size: 25x25 mm to 100x100 mm

BI000140 Thickness: **0.015mm**, Purity: 99.97%, Support: Permanent Polyester, Size: 25x25 mm to 100x100 mm

BI000150 Thickness: **0.02mm**, Purity: 99.97%, Support: Permanent Polyester, Size: 25x25 mm to 150x150 mm

BI000160 Thickness: **0.025mm**, Purity: 99.97%, Support: Permanent Polyester, Size: 25x25 mm to 150x150 mm

BI000185 Thickness: **0.045mm**, Purity: 99.97%, Support: Permanent Polyester, Size: 25x25 mm to 150x150 mm

BI000190 Thickness: **0.05mm**, Purity: 99.97%, Support: Permanent Polyester, Size: 25x25 mm to 150x150 mm

BI000220 Thickness: **0.25mm**, High Purity: 99.999%, Size: 25x25 mm to 50x50 mm

BI000240 Thickness: **0.5mm**, High Purity: 99.999%, Size: 25x25 mm to 50x50 mm

BI000251 Thickness: **1.0mm**, Purity: 99.97%, Size: 25x25 mm to 50x50 mm

Metals

BI000250 Thickness: **1.0mm**, High Purity: 99.999%, Size: 25x25 mm to 50x50 mm

BI000300 Thickness: **2.0mm**, High Purity: 99.999%, Size: 25x25 mm to 50x50 mm

BI000351 Thickness: **3.0mm**, Purity: 99.97%, Size: 50x50 mm



Sputtering Target

BI009300 Thickness: **3.0mm**, Purity: 99.97%, Size: 25 mm to 75 mm

BI009600 Thickness: **6.0mm**, Purity: 99.97%, Size: 25 mm to 75 mm



Rod

BI007911 Diameter: **10.0mm**, Tolerance: 20 %, High Purity: 99.997%, Condition: Cast sticks, Length: 120 mm

BI007910 Diameter: **10.0mm**, Tolerance: 20 %, High Purity: 99.999%, Condition: Cast sticks, Length: 70 mm to 140 mm



Powder

BI006041 Max. Particle size: **45micron**, Purity: 99.5 + %

BI006019 Max. Particle size: **150micron**, Purity: 99.97%

BI006018 Max. Particle size: **150micron**, High Purity: 99.997%

BI006015 Max. Particle size: **150micron**, High Purity: 99.999%



Lump

BI006110 Max. Lump size: **7mm**, Purity: 99.999%, Condition: Shot

BI006111 Max. Lump size: **10mm**, Purity: 99.999%, Condition: Shot

BI006105 Max. Lump size: **10mm**, High Purity: 99.999%

BI006115 Max. Lump size: **100mm**, Purity: 99.999%, Condition: Ingot



Single Crystal

BI002112 Oriented: **(111)**, Thickness: 2mm, Diameter: 12mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

BI002111 Oriented: **(111)**, Thickness: 2mm, Diameter: 12mm, Purity: 99.999%, Condition: Unpolished

Boron (B)



Microfoil

B 004500 Thinness: **0.1µm**, Specific density: 23.5µg.cm⁻², Purity: 99.6%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm



Foil

B 000210 Thickness: **2.0mm**, Purity: 99.6%, Condition: Hot-pressed, Size: 25x25 mm

B 000230 Thickness: **3.0mm**, Purity: 99.6%, Condition: Hot-pressed, Size: 25x25 mm

B 000231 Thickness: **3.0mm**, Purity: 99.6%, Condition: Hot-pressed, Size: 50x50 mm



Sputtering Target

B 009300 Thickness: **3.0mm**, Purity: 99.6%, Condition: Hot-pressed, Size: 25 mm to 76.2 mm

B 009600 Thickness: **6.0mm**, Purity: 99.6%, Condition: Hot-pressed, Size: 25 mm to 75 mm



Monofilament

B 005908 Diameter: **0.080mm**

B 005910 Diameter: **0.1mm**

B 005915 Diameter: **0.2mm**



Rod

B 007905 Diameter: **5mm**, Purity: 99.6%, Condition: Cast, Length: 12 mm to 18 mm

B 007910 Diameter: **10mm**, Purity: 99.6%, Condition: Cast, Length: 15 mm to 39 mm



Powder

B 006041 Mean Particle size (FSSS): **0.9micron**, Purity: 95 + %, Condition: Amorphous

B 006020 Mean Particle size (FSSS): **1micron**, Purity: 92.1%, Condition: Amorphous

B 006012 Max. Particle size: **45micron**, Purity: 98%, Condition: Crystalline



Granule

B 006300 Nominal Granule Size: **15mm**, Purity: 99%

Cadmium (Cd)



Foil

CD000021 Thickness: **0.001mm**, Purity: 99.7 + %, Size: 25x25 mm to 50x50 mm

CD000030 Thickness: **0.002mm**, Purity: 99.7 + %, Size: 25x25 mm to 50x50 mm

CD000070 Thickness: **0.005mm**, Purity: 99.7 + %, Size: 25x25 mm to 100x100 mm

CD000120 Thickness: **0.01mm**, Purity: 99.7 + %, Size: 25x25 mm to 100x100 mm

CD000140 Thickness: **0.015mm**, Purity: 99.7 + %, Size: 25x25 mm to 100x100 mm

CD000160 Thickness: **0.025mm**, Purity: 99.7 + %, Size: 25x25 mm to 100x100 mm

CD000200 Thickness: **0.05mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

CD000232 Thickness: **0.125mm**, Purity: 99.95%, Temper: As rolled, Size: 50x50 mm to 100x300 mm

CD000230 Thickness: **0.125mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

CD000239 Thickness: **0.25mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

CD000240 Thickness: **0.25mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

CD000250 Thickness: **0.25mm**, Purity: 99.99%, Temper: As rolled, Size: 100x100 mm

CD000251 Thickness: **0.25mm**, Purity: 99.95%, Temper: As rolled, Size: 150x150 mm to 300x300 mm

CD000262 Thickness: **0.5mm**, High Purity: 99.999%, Temper: As rolled, Coil width 30 mm, Size: 25x25 mm to 30x150 mm

CD000260 Thickness: **0.5mm**, Purity: 99.99%, Temper: As rolled, Size: 95x100 mm to 300x300 mm

CD000263 Thickness: **0.5mm**, Purity: 99.95%, Temper: As rolled, Size: 500x500 mm to 950x1000 mm

CD000261 Thickness: **0.5mm**, Purity: 99.99%, Temper: As rolled, Size: 75x100 mm to 200x200 mm

Metals

CD000265 Thickness: **0.75mm**, Purity: 99.99%, Temper: As rolled, Size: 100x100 mm to 500x500 mm

CD000280 Thickness: **1.0mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 50x200 mm

CD000273 Thickness: **1.0mm**, Purity: 99.95%, Temper: As rolled, Size: 500x500 mm to 950x1000 mm

CD000272 Thickness: **1.0mm**, Purity: 99.95%, Temper: As rolled, Size: 50x50 mm to 300x300 mm

CD000270 Thickness: **1.0mm**, Purity: 99.99%, Temper: As rolled, Size: 100x100 mm to 200x200 mm

CD000300 Thickness: **2.0mm**, Purity: 99.99%, Temper: As rolled, Size: 50x50 mm to 300x1000 mm

CD000301 Thickness: **2.0mm**, Purity: 99.95%, Temper: As rolled, Size: 500x500 mm to 950x1000 mm

CD000350 Thickness: **3.0mm**, Purity: 99.9%, Temper: As rolled, Size: 50x50 mm to 150x150 mm



Sputtering Target

CD009200 Thickness: **2.0mm**, Purity: 99.99%, Size: 50 mm to 75 mm



Wire

CD005090 Diameter: **0.125mm**, Purity: 99.9%, Temper: As drawn

CD005100 Diameter: **0.25mm**, High Purity: 99.99 + %, Temper: Hard

CD005104 Diameter: **0.4mm**, Purity: 99.95 + %, Temper: As drawn

CD005105 Diameter: **0.5mm**, Purity: 99.95 + %, Temper: Hard

CD005110 Diameter: **0.5mm**, High Purity: 99.99 + %, Temper: Hard

CD005114 Diameter: **0.70mm**, High Purity: 99.99 + %, Temper: As drawn

CD005125 Diameter: **1.0mm**, High Purity: 99.999%, Temper: Hard

CD005127 Diameter: **1.2mm**, High Purity: 99.99 + %, Temper: As drawn

CD005130 Diameter: **2.0mm**, High Purity: 99.99 + %, Temper: Hard



Rod

CD007905 Diameter: **3.0mm**, Purity: 99.99 + %, Temper: As drawn, Length: 50 mm to 100 mm

CD007900 Diameter: **5.0mm**, High Purity: 99.99 + %, Temper: As drawn, Length: 100 mm to 1000 mm

CD007925 Diameter: **10.0mm**, High Purity: 99.99 + %, Temper: As drawn, Length: 150 mm to 300 mm

CD007920 Diameter: **10.0mm**, High Purity: 99.999%, Length: 50 mm to 200 mm

CD007940 Diameter: **40mm**, Purity: 99.9%, Length: 25 mm to 100 mm



Tube

CD007200 Outside Diameter: **2.29mm**, Wall Thickness: 0.51mm, Inside Diameter: 1.27mm, Purity: 99.95 + %, Length: 100 mm to 1000 mm



Powder

CD006020 Max. Particle size: **60micron**, Purity: 99.9%



Lump

CD006110 Max. Lump size: **5mm**, Purity: 99.99 + %, Condition: Shot

CD006100 Max. Lump size: **100mm**, Purity: 99.99%, Condition: Cast sticks



Single Crystal

CD002110 Oriented: **(0001)**, Diameter: 12mm, Length: 2mm, Purity: 99.999%

CD002120 Oriented: **(0001)**, Diameter: 12mm, Length: 50mm, Purity: 99.999%

Calcium (Ca)



Lump

CA006101 Max. Lump size: **10mm**, Purity: 99.0%

Carbon (C)



Microleaf

C 004905 Thinness: **0.0025µm**, Specific density: 0.5µg.cm⁻², Purity: 99.997%, Support: Temporary Glass, Size: 25x70 mm

C 004910 Thinness: **0.025µm**, Specific density: 5µg.cm⁻², Purity: 99.997%, Support: Temporary Glass, Size: 25x70 mm

C 004920 Thinness: **0.050µm**, Specific density: 10µg.cm⁻², Purity: 99.997%, Support: Temporary Glass, Size: 25x70 mm

C 004940 Thinness: **0.25µm**, Specific density: 50µg.cm⁻², Purity: 99.997%, Support: Temporary Glass, Size: 25x70 mm

C 004960 Thinness: **0.50µm**, Specific density: 100µg.cm⁻², Purity: 99.997%, Support: Temporary Glass, Size: 25x70 mm

C 004961 Thinness: **0.50µm**, Specific density: 100µg.cm⁻², Purity: 99.997%, Support: Temporary Glass, Temper: Annealed, Size: 25x70 mm

C 004980 Thinness: **1.25µm**, Specific density: 250µg.cm⁻², Purity: 99.997%, Size: 25x70 mm to 50x70 mm

C 004990 Thinness: **2.5µm**, Specific density: 500µg.cm⁻², Purity: 99.997%, Size: 25x70 mm to 50x70 mm

C 004995 Thinness: **5.0µm**, Specific density: 1000µg.cm⁻², Purity: 99.997%, Size: 24x70 mm



Foil

C 000205 Thickness: **0.075mm**, Purity: 99.8%, Condition: Flexible graphite, Size: 100x100 mm to 300x300 mm

C 000720 Thickness: **0.1mm**, Purity: 99.99%, Condition: Pyrolytic Graphite, Size: 25x25 mm

C 000721 Thickness: **0.1mm**, Purity: 99.99%, Condition: Pyrolytic Graphite, Size: 50x50 mm

C 000400 Thickness: **0.125mm**, Purity: 99.95%, Condition: Rigid graphite, Grain size: Fine, Size: 12.5x12.5 mm to 150x150 mm

C 000208 Thickness: **0.125mm**, Purity: 99.8%, Condition: Flexible graphite, Size: 150x150 mm to 300x300 mm

C 000405 Thickness: **0.15mm**, Purity: 99.95%, Condition: Rigid graphite, Grain size: Fine, Size: 25x25 mm

C 000731 Thickness: **0.2mm**, Purity: 99.99%, Condition: Pyrolytic Graphite, Size: 50x50 mm

C 000305 Thickness: **0.2mm**, Purity: 99.8%, Condition: Flexible graphite, Size: 25x25 mm to 500x500 mm

C 000411 Thickness: **0.25mm**, Purity: 99.997%, Condition: Rigid graphite, Grain size: Fine, Size: 25x25 mm to 100x100 mm

Metals

- C 000410** Thickness: **0.25mm**, Purity: 99.95%, Condition: Rigid graphite, Grain size: Fine, Size: 25x25 mm to 150x150 mm
- C 000315** Thickness: **0.35mm**, Purity: 99.8%, Condition: Flexible graphite, Size: 50x50 mm to 500x500 mm
- C 000423** Thickness: **0.5mm**, Purity: 99.95%, Condition: Rigid graphite, Grain size: Fine, Condition: Polished on 1 side, Size: 10x10 mm
- C 000422** Thickness: **0.5mm**, Purity: 99.95%, Condition: Rigid graphite, Grain size: Fine, Diameter: 12 mm
- C 000735** Thickness: **0.5mm**, Purity: 99.99%, Condition: Pyrolytic Graphite, Size: 25x25 mm
- C 000421** Thickness: **0.5mm**, Purity: 99.997%, Condition: Rigid graphite, Grain size: Fine, Size: 25x25 mm to 100x100 mm
- C 000420** Thickness: **0.5mm**, Purity: 99.95%, Condition: Rigid graphite, Grain size: Fine, Size: 25x25 mm to 150x150 mm
- C 000321** Thickness: **0.5mm**, Purity: 99.8%, Condition: Flexible graphite, Size: 50x50 mm to 500x500 mm
- C 000432** Thickness: **1.0mm**, Purity: 99.95%, Condition: Rigid graphite, Grain size: Fine, Diameter: 12 mm
- C 000740** Thickness: **1.0mm**, Purity: 99.99%, Condition: Pyrolytic Graphite, Diameter: 25 mm
- C 000745** Thickness: **1.0mm**, Purity: 99.99%, Condition: Pyrolytic Graphite, Size: 100x100 mm
- C 000430** Thickness: **1.0mm**, Purity: 99.95%, Condition: Rigid graphite, Grain size: Fine, Size: 25x25 mm to 150x150 mm
- C 000431** Thickness: **1.0mm**, Purity: 99.95%, Condition: Rigid graphite, Grain size: Fine, Size: 200x200 mm
- C 000433** Thickness: **1.0mm**, Purity: 99.95%, Condition: Rigid graphite, Grain size: Fine, Size: 305x305 mm
- C 000330** Thickness: **1.0mm**, Purity: 99.8%, Condition: Flexible graphite, Size: 50x50 mm to 500x500 mm
- C 000620** Thickness: **2.0mm**, Condition: HOPG, Size: 5x5 mm to 15x15 mm
- C 000438** Thickness: **2.0mm**, Purity: 99.95%, Condition: Rigid graphite, Grain size: Fine, Size: 305x305 mm
- C 000440** Thickness: **2.5mm**, Purity: 99.95%, Condition: Rigid graphite, Grain size: Fine, Size: 25x25 mm to 100x100 mm
- C 000460** Thickness: **3.0mm**, Purity: 99.95%, Condition: Rigid graphite, Grain size: Fine, Size: 50x250 mm
- C 000470** Thickness: **5.0mm**, Purity: 99.95%, Condition: Rigid graphite, Grain size: Fine, Diameter: 30 mm
- C 000350** Thickness: **5.0mm**, Purity: 99.5%, Condition: Rigid graphite, Grain size: Medium, Size: 50x50 mm to 150x150 mm
- C 000480** Thickness: **7.8mm**, Purity: 99.95%, Condition: Rigid graphite, Grain size: Fine, Size: 52x78 mm to 100x105 mm
- C 000490** Thickness: **10.0mm**, Purity: 99.95%, Condition: Rigid graphite, Grain size: Fine, Size: 48.5x110 mm
- C 000360** Thickness: **10.0mm**, Purity: 99.5%, Condition: Rigid graphite, Grain size: Medium, Size: 48x150 mm to 150x150 mm



Sputtering Target

- C 009025** Thickness: **0.25mm**, Purity: 99.997%, Size: 50 mm
- C 009050** Thickness: **0.5mm**, Purity: 99.997%, Size: 40 mm to 50 mm
- C 009100** Thickness: **1.0mm**, Purity: 99.997%, Size: 50.8 mm to 57 mm
- C 009300** Thickness: **3.0mm**, Purity: 99.997%, Size: 25 mm to 100 mm
- C 009400** Thickness: **4.0mm**, Purity: 99.997%, Size: 25 mm
- C 009600** Thickness: **6.0mm**, Purity: 99.997%, Size: 25 mm to 100 mm



Fabric

- C 003510** Weight.m⁻²: **92g**, Thickness: 0.15mm, Warp Yarn: 66Tex, Weft Yarn: 66Tex, Ends x Picks/10cm: 69x69, Weave: Plain, Size: 250x250 mm to 1000x1000 mm
- C 003550** Weight.m⁻²: **110g**, Thickness: 0.5mm, Ends x Picks/10cm: 130x130, Weave: Plain, Coil width 1140 mm, Size: 300x300 mm
- C 003531** Weight.m⁻²: **200g**, Thickness: 0.3mm, Warp Yarn: 200Tex, Weft Yarn: 200Tex, Ends x Picks/10cm: 50x50, Weave: Plain, Size: 150x150 mm to 1000x1000 mm
- C 003581** Weight.m⁻²: **375g**, Thickness: 0.4mm, Warp Yarn: 400(T)Tex, Weft Yarn: 400(T)Tex, Ends x Picks/10cm: 47x47, Weave: 2x2 Twill, Size: 150x150 mm to 1000x1000 mm
- C 003580** Weight.m⁻²: **406g**, Thickness: 0.4mm, Warp Yarn: 400(T)Tex, Weft Yarn: 400(T)Tex, Ends x Picks/10cm: 50x50, Weave: 2x2 Twill, Size: 150x150 mm



Fiber

- C 005780** Tex Number: **280**, Filament diameter: 0.009mm, Number of filaments: 2000, Grade: F500, Condition: Epoxy sized (1.0%)
- C 005785** Tex Number: **320**, Filament diameter: 0.01mm, Number of filaments: 2000, Grade: P100, Condition: Epoxy sized
- C 005711** Tex Number: **400**, Filament diameter: 0.007mm, Number of filaments: 6000, Grade: Tenax HTA, Condition: Epoxy sized (1.2%)
- C 005731** Tex Number: **400**, Filament diameter: 0.0048mm, Number of filaments: 12000, Condition: Continuous multi-filament TOW.
- C 005732** Tex Number: **430**, Number of filaments: 12000
- C 005725** Tex Number: **795**, Filament diameter: 0.007mm, Number of filaments: 12000, Grade: XAS, Condition: Epoxy sized (1.6%)
- C 005722** Tex Number: **795**, Filament diameter: 0.007mm, Number of filaments: 12000, Grade: 34-700, Condition: Unsized
- C 005730** Tex Number: **900**, Filament diameter: 0.008mm, Number of filaments: 10000, Grade: HM, Condition: Epoxy sized (0.7%)



Chopped Fiber

- C 006510** Nominal Diameter: **0.007mm**, Fiber length: 1mm, Condition: Epoxy sized (1.2%), Grade: 34-700
- C 006560** Nominal Diameter: **0.007mm**, Fiber length: 6mm, Condition: Epoxy sized (1.2%), Grade: 34-700

Metals



Rod

- C 007905** Diameter: **0.5mm**, Purity: 99.95%, Condition: Graphite, Particle size: Ultrafine 1-5 microns, Length: 2 mm
- C 007906** Diameter: **0.5mm**, Purity: 99.95%, Condition: Graphite, Particle size: Ultrafine 1-5 microns, Length: 50 mm
- C 007908** Diameter: **1.0mm**, Purity: 99.95%, Condition: Graphite, Particle size: Ultrafine 1-5 microns, Length: 50 mm to 100 mm
- C 007909** Diameter: **1.5mm**, Purity: 99.997%, Condition: Graphite, Particle size: Ultrafine 1-5 microns, Length: 50 mm
- C 007911** Diameter: **2.0mm**, Purity: 99.997%, Condition: Graphite, Particle size: Ultrafine 1-5 microns, Length: 100 mm to 300 mm
- C 007910** Diameter: **3.0mm**, Purity: 99.997%, Condition: Graphite, Particle size: Medium 21-100 microns, Length: 100 mm to 300 mm
- C 007912** Diameter: **3.0mm**, Purity: 99.997%, Condition: Graphite, Particle size: Ultrafine 1-5 microns, Length: 100 mm to 300 mm
- C 007920** Diameter: **5.0mm**, Purity: 99.997%, Condition: Graphite, Particle size: Ultrafine 1-5 microns, Length: 100 mm to 300 mm
- C 007921** Diameter: **6.35mm**, Purity: 99.997%, Condition: Graphite, Particle size: Medium 21-100 microns, Length: 100 mm to 300 mm
- C 007930** Diameter: **10.0mm**, Purity: 99.997%, Condition: Graphite, Particle size: Medium 21-100 microns, Length: 100 mm to 300 mm
- C 007935** Diameter: **12.5mm**, Purity: 99.997%, Condition: Graphite, Particle size: Medium 21-100 microns, Length: 308 mm
- C 007940** Diameter: **13.0mm**, Purity: 99.997%, Condition: Graphite, Particle size: Medium 21-100 microns, Length: 100 mm to 300 mm
- C 007950** Diameter: **25mm**, Purity: 99.95%, Condition: Graphite, Particle size: Ultrafine 1-5 microns, Length: 50 mm to 300 mm
- C 007955** Diameter: **25mm**, Purity: 99.997%, Condition: Graphite, Particle size: Ultrafine 1-5 microns, Length: 50 mm to 150 mm
- C 007975** Diameter: **50mm**, Purity: 99.95%, Condition: Graphite, Particle size: Ultrafine 1-5 microns, Length: 25 mm to 150 mm
- C 007980** Diameter: **70mm**, Purity: 99.95%, Condition: Graphite, Particle size: Ultrafine 1-5 microns, Length: 150 mm



Tube

- C 007200** Outside Diameter: **3.18mm**, Wall Thickness: 1.0mm, Inside Diameter: 1.18mm, Purity: 99.95%, Condition: Graphite, Length: 50 mm to 150 mm
- C 007201** Outside Diameter: **3.18mm**, Wall Thickness: 0.8mm, Inside Diameter: 1.58mm, Purity: 99.95%, Condition: Graphite, Length: 50 mm to 150 mm
- C 007300** Outside Diameter: **6.35mm**, Wall Thickness: 1.6mm, Inside Diameter: 3.15mm, Purity: 99.95%, Condition: Graphite, Length: 50 mm to 150 mm
- C 007400** Outside Diameter: **12.7mm**, Wall Thickness: 1.6mm, Inside Diameter: 9.5mm, Purity: 99.95%, Condition: Graphite, Length: 50 mm to 150 mm



Powder

- C 006011** Max. Particle size: **75micron**, High Purity: 99.997%, Condition: Graphite



Lump

- C 006101** Max. Lump size: **1.5mm**, Purity: 99.5%
- C 006100** Max. Lump size: **1.5mm**, Purity: 99.8%

Carbon - Diamond (C)



Film

- DI001075** Thickness: **0.001mm**, Condition: Ultrananocrystalline diamond (UNCD), Grade: AQUA 100, Size: 25x25 mm
- DI001076** Thickness: **0.001mm**, Condition: Ultrananocrystalline diamond (UNCD), Grade: AQUA 100, Diameter: 100 mm
- DI001040** Thickness: **0.002mm**, Condition: Ultrananocrystalline diamond (UNCD), Condition: Lightning 25, Dopant: Boron, Substrate: Niobium, Size: 25x25 mm
- DI001060** Thickness: **0.002mm**, Condition: Ultrananocrystalline diamond (UNCD), Grade: AQUA 25, Size: 25x25 mm
- DI001065** Thickness: **0.002mm**, Condition: Ultrananocrystalline diamond (UNCD), Grade: AQUA 40, Size: 25x25 mm
- DI001070** Thickness: **0.002mm**, Condition: Ultrananocrystalline diamond (UNCD), Grade: AQUA 50, Size: 25x25 mm
- DI001061** Thickness: **0.002mm**, Condition: Ultrananocrystalline diamond (UNCD), Grade: AQUA 25, Diameter: 100 mm
- DI001091** Thickness: **0.25mm**, Condition: Synthetic, Condition: Single crystal, Size: 3x3 mm
- DI001080** Thickness: **0.30mm**, Condition: CVD, Polycrystalline, Diameter: 5 mm
- DI001082** Thickness: **0.30mm**, Condition: CVD, Polycrystalline, Diameter: 10 mm

Carbon - Vitreous - 3000C (C)



Foil

- VC000250** Thickness: **0.2mm**, Tolerance: ± 0.04 mm, Condition: Glassy Carbon, Maximum temperature: 3000C in vacuum or inert gas (500-600C in air), Diameter: 10 mm
- VC000395** Thickness: **0.5mm**, Condition: Glassy Carbon, Maximum temperature: 3000C in vacuum or inert gas (500-600C in air), Size: 8x8 mm
- VC000400** Thickness: **0.5mm**, Condition: Glassy Carbon, Maximum temperature: 3000C in vacuum or inert gas (500-600C in air), Size: 12.5x12.5 mm to 25x25 mm
- VC000503** Thickness: **1.0mm**, Condition: Glassy Carbon, Maximum temperature: 3000C in vacuum or inert gas (500-600C in air), Diameter: 8 mm to 10 mm
- VC000502** Thickness: **1.0mm**, Condition: Glassy Carbon, Maximum temperature: 3000C in vacuum or inert gas (500-600C in air), Size: 10x10 mm
- VC000500** Thickness: **1.0mm**, Condition: Glassy Carbon, Maximum temperature: 3000C in vacuum or inert gas (500-600C in air), Size: 50x50 mm to 100x100 mm

Metals

- VC000501** Thickness: **1.0mm**, Condition: Glassy Carbon, Maximum temperature: 3000C in vacuum or inert gas (500-600C in air), Size: 200x200 mm
- VC000551** Thickness: **2.0mm**, Condition: Glassy Carbon, Maximum temperature: 3000C in vacuum or inert gas (500-600C in air), Size: 10x10 mm
- VC000550** Thickness: **2.0mm**, Condition: Glassy Carbon, Maximum temperature: 3000C in vacuum or inert gas (500-600C in air), Size: 100x100 mm
- VC000601** Thickness: **4.0mm**, Condition: Glassy Carbon, Maximum temperature: 3000C in vacuum or inert gas (500-600C in air), Size: 10x10 mm
- VC000600** Thickness: **4.0mm**, Condition: Glassy Carbon, Maximum temperature: 3000C in vacuum or inert gas (500-600C in air), Size: 25x25 mm to 50x50 mm
- VC000650** Thickness: **6.0mm**, Condition: Glassy Carbon, Maximum temperature: 3000C in vacuum or inert gas (500-600C in air), Size: 100x100 mm



Foam

- VC003810** Thickness: **2.5mm**, Bulk density: 0.05g.cm⁻³, Porosity: 96.5%, Pores/cm: 24, Maximum temperature: 3499C in vacuum or inert gas (315C in air), Size: 150x150 mm
- VC003821** Thickness: **3.2mm**, Bulk density: 0.05g.cm⁻³, Porosity: 96.5%, Pores/cm: 24, Maximum temperature: 3499C in vacuum or inert gas (315C in air), Size: 150x150 mm
- VC003823** Thickness: **3.2mm**, Bulk density: 0.05g.cm⁻³, Porosity: 96.5%, Pores/cm: 24, Maximum temperature: 3499C in vacuum or inert gas (315C in air), Size: 275x330 mm
- VC003825** Thickness: **6.35mm**, Bulk density: 0.05g.cm⁻³, Porosity: 96.5%, Pores/cm: 24, Maximum temperature: 3499C in vacuum or inert gas (315C in air), Size: 150x150 mm
- VC003827** Thickness: **6.35mm**, Bulk density: 0.05g.cm⁻³, Porosity: 96.5%, Pores/cm: 24, Maximum temperature: 3499C in vacuum or inert gas (315C in air), Size: 275x330 mm
- VC003829** Thickness: **10.0mm**, Bulk density: 0.05g.cm⁻³, Porosity: 96.5%, Pores/cm: 40, Maximum temperature: 3499C in vacuum or inert gas (315C in air), Size: 60x60 mm
- VC003830** Thickness: **12.7mm**, Bulk density: 0.05g.cm⁻³, Porosity: 96.5%, Pores/cm: 40, Maximum temperature: 3499C in vacuum or inert gas (315C in air), Size: 100x100 mm
- VC003837** Thickness: **20mm**, Bulk density: 0.05g.cm⁻³, Porosity: 96.5%, Pores/cm: 24, Maximum temperature: 3499C in vacuum or inert gas (315C in air), Size: 300x300 mm
- VC003840** Thickness: **30mm**, Bulk density: 0.05g.cm⁻³, Porosity: 96.5%, Pores/cm: 24, Maximum temperature: 3499C in vacuum or inert gas (315C in air), Size: 300x300 mm



Rod

- VC007905** Diameter: **1.0mm**, Condition: Glassy Carbon, Maximum temperature: 3000C in vacuum or inert gas (500-600C in air), Length: 50 mm to 200 mm
- VC007916** Diameter: **3.0mm**, Condition: Glassy Carbon, Maximum temperature: 3000C in vacuum or inert gas (500-600C in air), Length: 5 mm
- VC007915** Diameter: **3.0mm**, Condition: Glassy Carbon, Maximum temperature: 3000C in vacuum or inert gas (500-600C in air), Length: 100 mm to 400 mm
- VC007925** Diameter: **5.0mm**, Condition: Glassy Carbon, Maximum temperature: 3000C in vacuum or inert gas (500-600C in air), Length: 50 mm to 200 mm
- VC007940** Diameter: **7.0mm**, Condition: Glassy Carbon, Maximum temperature: 3000C in vacuum or inert gas (500-600C in air), Length: 100 mm to 200 mm
- VC007960** Diameter: **10mm**, Condition: Glassy Carbon, Maximum temperature: 3000C in vacuum or inert gas (500-600C in air), Length: 100 mm to 200 mm



Tube

- VC007500** Outside Diameter: **10mm**, Wall Thickness: 3.5mm, Inside Diameter: 3mm, Condition: Glassy Carbon, Maximum temperature: 3000C in vacuum or inert gas (500-600C in air), Length: 50 mm to 100 mm
- VC007800** Outside Diameter: **34.6mm**, Wall Thickness: 1.5mm, Inside Diameter: 31.6mm, High Purity: 99.999%, Condition: Glassy Carbon, Maximum temperature: 3000C in vacuum or inert gas (500-600C in air), Length: 25 mm



Powder

- VC006010** Max. Particle size: **12micron**, Min. Particle size: 0.4micron, Condition: Spherical, Maximum temperature: 3000C in vacuum or inert gas (500-600C in air)
- VC006015** Max. Particle size: **50micron**, Min. Particle size: 20micron, Condition: Spherical, Maximum temperature: 3000C in vacuum or inert gas (500-600C in air)
- VC006021** Max. Particle size: **300micron**, Condition: Spherical, Maximum temperature: 3000C in vacuum or inert gas (500-600C in air)



Granule

- VC006303** Nominal Granule Size: **2-3mm**, Maximum temperature: 3000C in vacuum or inert gas (500-600C in air)
- VC006304** Nominal Granule Size: **3-4mm**, Maximum temperature: 3000C in vacuum or inert gas (500-600C in air)

Cerium (Ce)



Foil

- CE000205** Thickness: **0.005mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm
- CE000200** Thickness: **0.025mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm
- CE000210** Thickness: **0.1mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

Metals

CE000220 Thickness: **0.25mm**, Purity: 99.9%, Temper: As rolled, Size: 50x50 mm to 100x100 mm

CE000250 Thickness: **2.0mm**, Purity: 99.9%, Temper: As rolled, Size: 50x50 mm to 100x100 mm



Sputtering Target

CE009100 Thickness: **1.0mm**, Purity: 99.9%, Size: 50 mm to 75 mm

CE009300 Thickness: **3.0mm**, Purity: 99.9%, Size: 50 mm to 75 mm



Wire

CE005110 Diameter: **1.0mm**, Purity: 99.9%, Temper: Hard



Rod

CE007910 Diameter: **6.35mm**, Purity: 99.9%, Condition: Cast, Length: 50 mm to 100 mm

CE007950 Diameter: **12.7mm**, Purity: 99.9%, Condition: Cast, Length: 50 mm to 100 mm



Powder

CE006011 Max. Particle size: **45micron**, Purity: 99.9%



Lump

CE006100 Max. Lump size: **25mm**, Purity: 99.9%, Packing Note: Packed in Oil

Cesium (Cs)



Lump

CS006100 Max. Lump size: **5mm**, Purity: 99.9%, Melting Point: 28.5C

Chromium (Cr)



Microfoil

CR004200 Thinness: **0.025µm**, Specific density: 18.21µg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5µm, Diameter: 10 mm

CR004300 Thinness: **0.05µm**, Specific density: 37.27µg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm

CR004600 Thinness: **0.25µm**, Specific density: 178.7µg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm

CR004700 Thinness: **0.5µm**, Specific density: 355µg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm

CR004850 Thinness: **1.0µm**, Specific density: 719µg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm



Foil

CR000020 Thickness: **0.001mm**, Purity: 99.99%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

CR000025 Thickness: **0.0015mm**, Purity: 99.99%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

CR000030 Thickness: **0.002mm**, Purity: 99.99%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

CR000040 Thickness: **0.0025mm**, Purity: 99.99%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

CR000050 Thickness: **0.003mm**, Purity: 99.99%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

CR000060 Thickness: **0.004mm**, Purity: 99.99%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

CR000070 Thickness: **0.005mm**, Purity: 99.99%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

CR000080 Thickness: **0.006mm**, Purity: 99.99%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

CR000090 Thickness: **0.007mm**, Purity: 99.99%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

CR000100 Thickness: **0.008mm**, Purity: 99.99%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

CR000110 Thickness: **0.009mm**, Purity: 99.99%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

CR000120 Thickness: **0.01mm**, Purity: 99.99%, Support: Permanent Polyester, Size: 25x25 mm to 100x100 mm

CR000130 Thickness: **0.0125mm**, Purity: 99.99%, Support: Permanent Polyester, Size: 25x25 mm to 100x100 mm

CR000140 Thickness: **0.015mm**, Purity: 99.99%, Support: Permanent Polyester, Size: 25x25 mm to 100x100 mm

CR000150 Thickness: **0.02mm**, Purity: 99.99%, Support: Permanent Polyester, Size: 25x25 mm to 100x100 mm

CR000160 Thickness: **0.025mm**, Purity: 99.99%, Support: Permanent Polyester, Size: 25x25 mm to 100x100 mm

CR000170 Thickness: **0.03mm**, Purity: 99.99%, Support: Permanent Polyester, Size: 25x25 mm to 100x100 mm

CR000180 Thickness: **0.04mm**, Purity: 99.99%, Support: Permanent Polyester, Size: 25x25 mm to 100x100 mm

CR000190 Thickness: **0.05mm**, Purity: 99.99%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

CR000191 Thickness: **0.075mm**, Purity: 99.99%, Support: Permanent Polyester, Size: 25x25 mm

CR000310 Thickness: **0.5mm**, Purity: 99.7 + %, Temper: Hard, Size: 10x10 mm

CR000210 Thickness: **0.5mm**, Purity: 99.99%, Size: 12.5x12.5 mm to 100x100 mm

CR000215 Thickness: **0.75mm**, Tolerance: 20 %, Purity: 99.99%, Size: 25x25 mm

CR000220 Thickness: **1.0mm**, Purity: 99.99%, Size: 12.5x12.5 mm to 100x100 mm

CR000230 Thickness: **1.5mm**, Purity: 99.99%, Size: 25x25 mm to 100x100 mm

CR000340 Thickness: **2.0mm**, Purity: 99.7 + %, Temper: Hard, Size: 25x25 mm to 100x100 mm

CR000240 Thickness: **2.0mm**, Purity: 99.99%, Size: 25x25 mm to 100x100 mm

CR000360 Thickness: **3.0mm**, Purity: 99.95%, Temper: Hard, Size: 50x50 mm to 100x100 mm

CR000400 Thickness: **6mm**, Purity: 99.95%, Condition: Hot isostatic pressed, Size: 150x150 mm

Metals



Sputtering Target

- CR009301** Thickness: **3.0mm**, Purity: 99.9%, Size: 25 mm to 75 mm
- CR009302** Thickness: **3.0mm**, Purity: 99.99%, Size: 25 mm to 75 mm
- CR009300** Thickness: **3.0mm**, Purity: 99.95%, Size: 25 mm to 76.2 mm
- CR009601** Thickness: **6.0mm**, Purity: 99.9%, Size: 50 mm to 75 mm
- CR009600** Thickness: **6.0mm**, Purity: 99.95%, Size: 50 mm to 75 mm



Rod

- CR007902** Diameter: **0.5mm**, Purity: 99.7 + %, Length: 25 mm to 50 mm
- CR007905** Diameter: **1.0mm**, Purity: 99.7 + %, Length: 50 mm
- CR007910** Diameter: **2.0mm**, Purity: 99.7 + %, Length: 10 mm to 100 mm
- CR007915** Diameter: **4.0mm**, Purity: 99.7 + %, Length: 23 mm to 50 mm
- CR007920** Diameter: **5.0mm**, Purity: 99.7 + %, Length: 10 mm to 100 mm
- CR007930** Diameter: **8.0mm**, Purity: 99.7 + %, Length: 50 mm to 100 mm



Bar

- CR008010** Side Length: **2mm**, Side Length (of longer side): 2mm, Purity: 99.7 + %, Length: 100 mm



Powder

- CR006031** Mean Particle size: **<10micron**, Purity: 99.0%
- CR006021** Max. Particle size: **38micron**, Purity: 99.0 + %
- CR006025** Max. Particle size: **45micron**, Min. Particle size: 38micron, Purity: 99.0 + %
- CR006020** Max. Particle size: **200micron**, Purity: 99.0 + %



Lump

- CR006115** Max. Lump size: **10mm**, Purity: 99.95%, Condition: Pellets
- CR006100** Max. Lump size: **10mm**, Purity: 99.99%
- CR006110** Max. Lump size: **25mm**, Purity: 99.95%



Single Crystal

- CR002111** Oriented: **(100)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron
- CR002110** Oriented: **(100)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.999%, Condition: Unpolished
- CR002115** Oriented: **(100)**, Thickness: 1mm, Diameter: 14mm, Purity: 99.999%, Condition: Unpolished
- CR002088** Oriented: **(110)**, Diameter: 9mm, Length: 5mm, Purity: 99.999%
- CR002089** Oriented: **(110)**, Diameter: 9mm, Length: 10mm, Purity: 99.999%
- CR002090** Oriented: **(110)**, Diameter: 9mm, Length: 25mm, Purity: 99.999%

Cobalt (Co)



Microfoil

- CO004500** Thinness: **0.1µm**, Specific density: 94.6µg.cm⁻², Purity: 99.9%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm

- CO004600** Thinness: **0.25µm**, Specific density: 222µg.cm⁻², Purity: 99.9%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm

- CO004700** Thinness: **0.5µm**, Specific density: 434µg.cm⁻², Purity: 99.9%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm

- CO004850** Thinness: **1.0µm**, Specific density: 890µg.cm⁻², Purity: 99.9%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm



Foil

- CO000050** Thickness: **0.001mm**, Purity: 99.9%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm
- CO000060** Thickness: **0.002mm**, Purity: 99.9%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm
- CO000070** Thickness: **0.0025mm**, Purity: 99.9%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm
- CO000080** Thickness: **0.003mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm
- CO000090** Thickness: **0.004mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm
- CO000100** Thickness: **0.005mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm
- CO000110** Thickness: **0.006mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm
- CO000120** Thickness: **0.007mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm
- CO000130** Thickness: **0.008mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm
- CO000140** Thickness: **0.009mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm
- CO000150** Thickness: **0.01mm**, Purity: 99.9%, Size: 25x25 mm to 150x150 mm
- CO000160** Thickness: **0.0125mm**, Purity: 99.9%, Size: 50x50 mm to 150x150 mm
- CO000170** Thickness: **0.015mm**, Purity: 99.9%, Size: 50x50 mm to 150x150 mm
- CO000180** Thickness: **0.02mm**, Purity: 99.9%, Size: 50x50 mm to 100x100 mm
- CO000190** Thickness: **0.025mm**, Purity: 99.9%, Size: 50x50 mm to 150x150 mm
- CO000200** Thickness: **0.05mm**, Purity: 99.9%, Temper: As rolled, Size: 100x100 mm
- CO000210** Thickness: **0.05mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 100x100 mm
- CO000201** Thickness: **0.05mm**, Purity: 99.9%, Temper: Annealed, Coil width 250 mm, Size: 100x100 mm to 250x250 mm
- CO000270** Thickness: **0.125mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- CO000240** Thickness: **0.125mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 150x150 mm
- CO000241** Thickness: **0.125mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 100x100 mm
- CO000279** Thickness: **0.25mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- CO000280** Thickness: **0.25mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- CO000281** Thickness: **0.5mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

Metals

CO000282 Thickness: **0.50mm**, Purity: 99.9%, Temper: Annealed, Size: 50x50 mm to 250x250 mm

CO000285 Thickness: **0.7mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 100x100 mm

CO000290 Thickness: **1.0mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

CO000291 Thickness: **1.0mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 50x50 mm

CO000292 Thickness: **1.0mm**, Purity: 99.9%, Temper: Annealed, Size: 50x50 mm to 250x250 mm

CO000295 Thickness: **2.0mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

CO000296 Thickness: **2.0mm**, Purity: 99.9%, Temper: As rolled, Size: 150x150 mm

CO000300 Thickness: **3.0mm**, Purity: 99.9%, Temper: As rolled, Size: 50x50 mm to 100x100 mm

CO000320 Thickness: **6.0mm**, Purity: 99.9%, Temper: As rolled, Size: 70x90 mm to 79x158 mm



Sputtering Target

CO009100 Thickness: **1.0mm**, Purity: 99.9%, Size: 25 mm to 33 mm

CO009301 Thickness: **3.0mm**, High Purity: 99.99 + %, Size: 25.4 mm to 50.8 mm

CO009300 Thickness: **3.0mm**, Purity: 99.9%, Size: 25 mm to 75 mm

CO009400 Thickness: **4.0mm**, Purity: 99.9%, Size: 76 mm

CO009600 Thickness: **6.0mm**, Purity: 99.9%, Size: 25 mm to 75 mm



Wire

CO005080 Diameter: **0.05mm**, Purity: 99.9%, Temper: Hard

CO005085 Diameter: **0.1mm**, High Purity: 99.99 + %, Temper: Hard

CO005090 Diameter: **0.125mm**, High Purity: 99.99 + %, Temper: Hard

CO005100 Diameter: **0.25mm**, High Purity: 99.99 + %, Temper: Hard

CO005110 Diameter: **0.5mm**, High Purity: 99.99 + %, Temper: Hard

CO005120 Diameter: **1.0mm**, High Purity: 99.99 + %, Temper: Hard

CO005130 Diameter: **2.0mm**, High Purity: 99.99 + %, Temper: Hard



Rod

CO007901 Diameter: **1.5mm**, High Purity: 99.99 + %, Temper: Hard, Length: 25 mm to 200 mm

CO007903 Diameter: **2.0mm**, High Purity: 99.99 + %, Temper: Hard, Length: 2 mm

CO007902 Diameter: **2.0mm**, High Purity: 99.99 + %, Temper: Hard, Length: 25 mm to 200 mm

CO007905 Diameter: **3.0mm**, Purity: 99.9%, Temper: As drawn, Length: 50 mm to 500 mm

CO007907 Diameter: **4.0mm**, Purity: 99.9%, Temper: As drawn, Length: 50 mm to 200 mm

CO007910 Diameter: **5.0mm**, High Purity: 99.99 + %, Temper: Hard, Length: 25 mm to 50 mm

CO007915 Diameter: **6.35mm**, Purity: 99.9%, Temper: As drawn, Length: 25 mm to 200 mm

CO007925 Diameter: **10mm**, Purity: 99.9%, Temper: As drawn, Length: 25 mm to 200 mm

CO007930 Diameter: **12mm**, Purity: 99.9%, Temper: As drawn, Length: 25 mm to 200 mm

CO007940 Diameter: **25mm**, Purity: 99.9%, Temper: As drawn, Length: 25 mm to 100 mm



Powder

CO006050 Mean Particle size: **0.02micron**, Purity: 99.9%

CO006041 Max. Particle size: **7.5micron**, Purity: 99.6%

CO006040 Max. Particle size: **45micron**, Purity: 99.8%

CO006012 Max. Particle size: **150micron**, Min. Particle size: 50micron, Purity: 99.9%

CO006030 Max. Particle size: **250micron**, High Purity: 99.99 + %

CO006035 Max. Particle size: **840micron**, High Purity: 99.99 + %



Lump

CO006100 Max. Lump size: **10mm**, Purity: 99.9%, Condition: Pellets

CO006110 Max. Lump size: **10mm**, High Purity: 99.99 + %, Condition: Pellets

CO006120 Max. Lump size: **40mm**, Purity: 99.8%, Condition: Nominal 30mm rounds



Single Crystal

CO002085 Oriented: **(0001)**, Diameter: 10mm, Length: 5mm, Purity: 99.999%

CO002112 Oriented: **(0001)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

CO002111 Oriented: **(0001)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.999%, Condition: Unpolished

CO002090 Oriented: **(0001)**, Diameter: 10mm, Length: 10mm, Purity: 99.999%

CO002100 Oriented: **(0001)**, Diameter: 10mm, Length: 20mm, Purity: 99.999%

Copper (Cu)



Microfoil

CU004500 Thickness: **0.1µm**, Specific density: 86.2µg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm

CU004600 Thickness: **0.25µm**, Specific density: 219.9µg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm

CU004700 Thickness: **0.5µm**, Specific density: 448µg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm

CU004850 Thickness: **1.0µm**, Specific density: 899µg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm



Foil

CU000080 Thickness: **0.0005mm**, Purity: 99.97%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

CU000090 Thickness: **0.00075mm**, Purity: 99.97%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

CU000100 Thickness: **0.001mm**, Purity: 99.97%, Size: 25x25 mm to 50x50 mm

CU000105 Thickness: **0.0015mm**, Purity: 99.97%, Size: 25x25 mm to 50x50 mm

Metals

CU000110 Thickness: 0.002mm , Purity: 99.97%, Size: 25x25 mm to 100x100 mm	CU000273 Thickness: 0.015mm , Purity: 99.99+%, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
CU000120 Thickness: 0.0025mm , Purity: 99.97%, Size: 25x25 mm to 100x100 mm	CU000320 Thickness: 0.0175mm , Purity: 99.9%, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
CU000201 Thickness: 0.0025mm , Purity: 99.9%, Support: Permanent Aluminum 0.04mm, Size: 25x25 mm to 300x300 mm	CU000330 Thickness: 0.019mm , Purity: 99.9%, Temper: Half hard, Size: 25x25 mm to 150x150 mm
CU000130 Thickness: 0.003mm , Purity: 99.97%, Size: 25x25 mm to 100x100 mm	CU000340 Thickness: 0.02mm , Purity: 99.9%, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
CU000140 Thickness: 0.004mm , Purity: 99.97%, Size: 25x25 mm to 100x100 mm	CU000350 Thickness: 0.02mm , High Purity: 99.99+%, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
CU000150 Thickness: 0.005mm , Purity: 99.97%, Size: 25x25 mm to 100x100 mm	CU000351 Thickness: 0.022mm , Coil width: 0.45mm, Purity: 99.9%, Length: 1 m to 100 m
CU000211 Thickness: 0.005mm , Purity: 99.9%, Support: Permanent Aluminum 0.04mm, Size: 150x150 mm to 300x300 mm	CU000352 Thickness: 0.022mm , Coil width: 6.5mm, Purity: 99.9%, Length: 1 m to 50 m
CU000160 Thickness: 0.006mm , Purity: 99.97%, Size: 50x50 mm to 100x100 mm	CU000356 Thickness: 0.022mm , Coil width: 14.3mm, Purity: 99.9%, Length: 1 m to 100 m
CU000170 Thickness: 0.007mm , Purity: 99.97%, Size: 50x50 mm to 100x100 mm	CU000354 Thickness: 0.025mm , Coil width: 2.5mm, Purity: 99.9%, Temper: Half hard, Length: 1 m to 50 m
CU000200 Thickness: 0.0076mm , Coil width: 5mm, Purity: 99.9%, Length: 1 m to 20 m	CU000373 Thickness: 0.025mm , Coil width: 4mm, Purity: 99.9%, Temper: Annealed, Length: 1 m to 50 m
CU000202 Thickness: 0.0076mm , Coil width: 6mm, Purity: 99.9%, Length: 1 m to 50 m	CU000355 Thickness: 0.025mm , Coil width: 12mm, Purity: 99.9%, Temper: Annealed, Length: 1 m to 100 m
CU000203 Thickness: 0.0076mm , Coil width: 6.6mm, Purity: 99.9%, Length: 1 m to 50 m	CU000370 Thickness: 0.025mm , Coil width: 16mm, Purity: 99.9%, Temper: Half hard, Length: 1 m
CU000204 Thickness: 0.0076mm , Coil width: 7.5mm, Purity: 99.9%, Length: 1 m to 50 m	CU000357 Thickness: 0.025mm , Coil width: 19mm, Purity: 99.9%, Temper: Annealed, Length: 1 m to 50 m
CU000205 Thickness: 0.0076mm , Coil width: 8.5mm, Purity: 99.9%, Length: 1 m to 50 m	CU000358 Thickness: 0.025mm , Coil width: 25mm, Purity: 99.9%, Temper: Annealed, Length: 1 m to 50 m
CU000206 Thickness: 0.0076mm , Coil width: 8.7mm, Purity: 99.9%, Length: 1 m to 50 m	CU000359 Thickness: 0.025mm , Coil width: 38mm, Purity: 99.9%, Temper: Half hard, Length: 1 m to 100 m
CU000207 Thickness: 0.0076mm , Coil width: 10.8mm, Purity: 99.9%, Length: 1 m to 50 m	CU000372 Thickness: 0.025mm , Purity: 99.9%, Temper: Hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
CU000208 Thickness: 0.0076mm , Coil width: 12.5mm, Purity: 99.9%, Length: 1 m to 50 m	CU000371 Thickness: 0.025mm , Purity: 99.9%, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
CU000215 Thickness: 0.0078mm , High Purity: 99.99+%, Coil width 200 mm, Size: 50x50 mm to 200x300 mm	CU000410 Thickness: 0.025mm , High Purity: 99.99+%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
CU000220 Thickness: 0.008mm , Purity: 99.9%, Coil width 150 mm, Size: 100x100 mm to 150x150 mm	CU000420 Thickness: 0.025mm , Purity: 99.95%, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
CU000180 Thickness: 0.009mm , Purity: 99.97%, Size: 50x50 mm to 100x100 mm	CU000428 Thickness: 0.03mm , Coil width: 16mm, Purity: 99.9%, Temper: Annealed, Length: 1 m to 50 m
CU000229 Thickness: 0.01mm , Coil width: 19mm, Purity: 99.9%, Length: 1 m to 200 m	CU000475 Thickness: 0.03mm , High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 150x150 mm
CU000230 Thickness: 0.01mm , Purity: 99.9%, Coil width 150 mm, Size: 150x150 mm	CU000430 Thickness: 0.034mm , Purity: 99.95%, Coil width 350 mm, Size: 25x25 mm to 300x300 mm
CU000251 Thickness: 0.01mm , High Purity: 99.99+%, Coil width 150 mm, Size: 25x25 mm to 150x150 mm	CU000462 Thickness: 0.038mm , Coil width: .25mm, Purity: 99.9%, Temper: Annealed, Length: 1 m to 50 m
CU000260 Thickness: 0.012mm , Purity: 99.99+%, Coil width 150 mm, Size: 25x25 mm to 150x150 mm	CU000450 Thickness: 0.038mm , Purity: 99.9%, Temper: Hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
CU000300 Thickness: 0.0125mm , Purity: 99.9%, Coil width 150 mm, Size: 25x25 mm to 150x150 mm	CU000460 Thickness: 0.038mm , Purity: 99.9%, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
CU000270 Thickness: 0.0125mm , High Purity: 99.99+%, Coil width 150 mm, Size: 25x25 mm to 150x150 mm	CU000463 Thickness: 0.04mm , Coil width: 6.35mm, Purity: 99.9%, Temper: Half hard, Length: 1 m to 100 m
CU000271 Thickness: 0.013mm , Purity: 99.99+%, Coil width 150 mm, Size: 25x25 mm to 150x150 mm	CU000464 Thickness: 0.04mm , Coil width: 9.5mm, Purity: 99.9%, Temper: Half hard, Length: 1 m to 100 m
CU000272 Thickness: 0.014mm , Purity: 99.99+%, Coil width 150 mm, Size: 25x25 mm to 150x150 mm	CU000423 Thickness: 0.04mm , Coil width: 10mm, Purity: 99.9%, Temper: Half hard, Length: 1 m to 50 m
CU000315 Thickness: 0.015mm , Coil width: 10mm, Purity: 99.9%, Length: 1 m to 20 m	CU000424 Thickness: 0.04mm , Coil width: 12mm, Purity: 99.9%, Temper: Annealed, Length: 1 m to 50 m
CU000190 Thickness: 0.015mm , Purity: 99.97%, Size: 100x100 mm to 150x150 mm	

Metals

CU000425	Thickness: 0.04mm , Coil width: 12.5mm, Purity: 99.9%, Temper: Annealed, Length: 1 m to 20 m	CU000553	Thickness: 0.1mm , Coil width: 3mm, Purity: 99.9%, Temper: Annealed, Length: 1 m to 10 m
CU000465	Thickness: 0.04mm , Coil width: 25mm, Purity: 99.9%, Temper: Half hard, Length: 1 m to 50 m	CU000552	Thickness: 0.1mm , Coil width: 4.8mm, Purity: 99.9%, Temper: As rolled, Length: 1 m to 50 m
CU000466	Thickness: 0.045mm , Coil width: 25.4mm, Purity: 99.9%, Temper: Half hard, Length: 1 m to 100 m	CU000554	Thickness: 0.1mm , Coil width: 10mm, Purity: 99.9%, Temper: Annealed, Length: 5 m to 20 m
CU000470	Thickness: 0.05mm , Coil width: 1.5mm, Purity: 99.9%, Temper: Half hard, Length: 1 m to 50 m	CU000556	Thickness: 0.1mm , Coil width: 16mm, Purity: 99.9%, Temper: Half hard, Length: 1 m to 50 m
CU000467	Thickness: 0.05mm , Coil width: 3.2mm, Purity: 99.9%, Temper: Annealed, Length: 1 m to 100 m	CU000557	Thickness: 0.1mm , Purity: 99.9%, Temper: Half hard, Diameter: 12 mm
CU000468	Thickness: 0.05mm , Coil width: 6mm, Purity: 99.9%, Temper: Annealed, Length: 1 m to 100 m	CU000555	Thickness: 0.1mm , Coil width: 25.4mm, Purity: 99.9%, Temper: Annealed, Length: 1 m to 50 m
CU000469	Thickness: 0.05mm , Coil width: 8mm, Purity: 99.9%, Temper: Annealed, Length: 1 m to 500 m	CU000559	Thickness: 0.1mm , Coil width: 26mm, Purity: 99.9%, Temper: Annealed, Length: 1 m to 20 m
CU000472	Thickness: 0.05mm , Coil width: 10mm, Purity: 99.9%, Temper: Annealed, Length: 1 m to 200 m	CU000558	Thickness: 0.1mm , Coil width: 30mm, Purity: 99.9%, Temper: Annealed, Length: 1 m to 20 m
CU000473	Thickness: 0.05mm , Coil width: 12mm, Purity: 99.9%, Temper: Annealed, Length: 1 m to 200 m	CU000570	Thickness: 0.1mm , High Purity: 99.99 + %, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
CU000497	Thickness: 0.05mm , Coil width: 20mm, Purity: 99.9%, Temper: Annealed, Length: 1 m to 20 m	CU000565	Thickness: 0.1mm , Purity: 99.9%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
CU000499	Thickness: 0.05mm , Coil width: 25mm, Purity: 99.9%, Temper: Annealed, Length: 1 m	CU000560	Thickness: 0.1mm , Purity: 99.9%, Temper: Half hard, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
CU000498	Thickness: 0.05mm , Coil width: 30mm, Purity: 99.9%, Temper: Annealed, Length: 1 m to 20 m	CU000580	Thickness: 0.11mm , Purity: 99.95%, Coil width 380 mm, Size: 25x25 mm to 300x300 mm
CU000495	Thickness: 0.05mm , Purity: 99.9%, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm	CU000583	Thickness: 0.125mm , Coil width: 50.8mm, Purity: 99.9%, Temper: Annealed, Length: 0.5 m to 20 m
CU000491	Thickness: 0.05mm , High Purity: 99.99 + %, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm	CU000586	Thickness: 0.125mm , Coil width: 76.2mm, Purity: 99.9%, Temper: Annealed, Length: 1 m to 20 m
CU000496	Thickness: 0.05mm , Coil width: 300mm, Purity: 99.9%, Temper: Annealed, Length: 0.5 m to 20 m	CU000591	Thickness: 0.125mm , Purity: 99.9%, Temper: Hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
CU000500	Thickness: 0.05mm , Purity: 99.9%, Temper: Half hard, Coil width 305 mm, Size: 25x25 mm to 300x300 mm	CU000585	Thickness: 0.125mm , Purity: 99.9%, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
CU000520	Thickness: 0.068mm , Purity: 99.95%, Coil width 300 mm, Size: 25x25 mm to 300x300 mm	CU000600	Thickness: 0.125mm , High Purity: 99.99 + %, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
CU000531	Thickness: 0.075mm , Coil width: 10mm, Purity: 99.9%, Temper: Annealed, Length: 1 m to 50 m	CU000590	Thickness: 0.125mm , Purity: 99.9%, Temper: Half hard, Coil width 305 mm, Size: 25x25 mm to 150x150 mm
CU000541	Thickness: 0.075mm , Purity: 99.9%, Temper: Hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm	CU000645	Thickness: 0.15mm , Coil width: 6.0mm, Purity: 99.9%, Temper: Annealed, Length: 1 m to 20 m
CU000540	Thickness: 0.075mm , Purity: 99.9%, Temper: Half hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm	CU000640	Thickness: 0.15mm , Purity: 99.9%, Temper: Half hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
CU000550	Thickness: 0.075mm , High Purity: 99.99 + %, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm	CU000650	Thickness: 0.15mm , Purity: 99.9%, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
CU000530	Thickness: 0.075mm , Purity: 99.9%, Temper: Annealed, Coil width 165 mm, Size: 25x25 mm to 150x150 mm	CU000630	Thickness: 0.15mm , High Purity: 99.99 + %, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
CU000542	Thickness: 0.075mm , Purity: 99.9%, Temper: Half hard, Coil width 300 mm, Size: 300x300 mm	CU000642	Thickness: 0.15mm , Purity: 99.9%, Temper: Half hard, Condition: Flattened, Size: 150x150 mm to 300x450 mm
CU000532	Thickness: 0.075mm , Purity: 99.9%, Temper: Annealed, Condition: Flattened, Size: 150x150 mm to 300x450 mm	CU000641	Thickness: 0.15mm , Purity: 99.9%, Temper: Half hard, Coil width 305 mm, Size: 300x300 mm
CU000547	Thickness: 0.1mm , Coil width: 0.75mm, Purity: 99.9%, Temper: Annealed, Length: 0.1 m to 10 m	CU000655	Thickness: 0.2mm , Coil width: 30mm, Purity: 99.9%, Temper: Annealed, Length: 0.5 m to 10 m
CU000548	Thickness: 0.1mm , Coil width: 1mm, Purity: 99.9%, Temper: Annealed, Length: 0.1 m to 10 m	CU000652	Thickness: 0.25mm , Coil width: 1.4mm, Purity: 99.9%, Temper: Half hard, Length: 1 m to 50 m
CU000551	Thickness: 0.1mm , Coil width: 1.5mm, Purity: 99.9%, Temper: Half hard, Length: 1 m to 50 m		

Metals

- CU000701** Thickness: **0.25mm**, Purity: 99.9%, Polished on one side: Polish : 0.1µm Ra or better, Diameter: 9 mm
- CU000703** Thickness: **0.25mm**, Coil width: 25.4mm, Purity: 99.9%, Temper: Hard, Length: 0.5 m to 10 m
- CU000680** Thickness: **0.25mm**, High Purity: 99.99 + %, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- CU000700** Thickness: **0.25mm**, Purity: 99.9%, Temper: Half hard, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
- CU000702** Thickness: **0.25mm**, Purity: 99.9%, Temper: Half hard, Condition: Flattened, Size: 250x300 mm to 300x500 mm
- CU000720** Thickness: **0.25mm**, Purity: 99.9%, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
- CU000695** Thickness: **0.3mm**, Coil width: 80mm, Purity: 99.9%, Temper: Half hard, Length: 1 m to 10 m
- CU000691** Thickness: **0.3mm**, Purity: 99.9%, Temper: Annealed, Condition: Flattened, Size: 25x25 mm to 300x450 mm
- CU000690** Thickness: **0.3mm**, Purity: 99.9%, Temper: Half hard, Condition: Flattened, Size: 25x25 mm to 300x300 mm
- CU000710** Thickness: **0.38mm**, Coil width: 25.4mm, Purity: 99.9%, Temper: Half hard, Length: 2 m
- CU000743** Thickness: **0.5mm**, Purity: 99.9%, Temper: Half hard, Size: 25x25 mm to 300x300 mm
- CU000745** Thickness: **0.5mm**, High Purity: 99.99 + %, Temper: As rolled, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
- CU000746** Thickness: **0.7mm**, Purity: 99.9%, Temper: Half hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- CU000750** Thickness: **1.0mm**, Purity: 99.9%, Polished on one side: Polish : 0.1µm Ra or better, Size: 10x10 mm to 18x18 mm
- CU000751** Thickness: **1.0mm**, Purity: 99.9%, Condition: Polished on both sides, Size: 50x50 mm to 100x100 mm
- CU000748** Thickness: **1.0mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- CU000749** Thickness: **1.0mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 300x300 mm
- CU000747** Thickness: **1.0mm**, Purity: 99.9%, Temper: Half hard, Size: 25x25 mm to 300x300 mm
- CU000761** Thickness: **1.6mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 150x150 mm
- CU000760** Thickness: **1.6mm**, Purity: 99.9%, Temper: Half hard, Size: 25x25 mm to 300x300 mm
- CU000766** Thickness: **2.0mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 150x150 mm
- CU000765** Thickness: **2.0mm**, Purity: 99.9%, Temper: Half hard, Size: 25x25 mm to 300x300 mm
- CU000769** Thickness: **2.0mm**, Purity: 99.9%, Temper: Half hard, Condition: Mirror polished on both sides, Size: 50x50 mm to 100x100 mm
- CU000770** Thickness: **3.25mm**, Purity: 99.9%, Temper: Half hard, Size: 25x25 mm to 300x300 mm



Sputtering Target

- CU009300** Thickness: **3.0mm**, High Purity: 99.99 + %, Size: 25 mm to 75 mm
- CU009301** Thickness: **3.0mm**, High Purity: 99.999%, Size: 25.4 mm
- CU009500** Thickness: **5mm**, High Purity: 99.99 + %, Size: 31 mm
- CU009600** Thickness: **6.0mm**, High Purity: 99.99 + %, Size: 25 mm to 75 mm



Foam

- CU003804** Thickness: **4mm**, Bulk density: 3.32g.cm⁻³, Porosity: 63%, Diameter: 23 mm
- CU003814** Thickness: **4mm**, Bulk density: 3.32g.cm⁻³, Porosity: 63%, Coating: High temperature black copper oxide, Oxide layer thickness: Approx 90 Angstroms, Emissivity: Approx 0.7, Diameter: 23 mm
- CU003805** Thickness: **5mm**, Bulk density: 3.32g.cm⁻³, Porosity: 63%, Size: 49x62 mm
- CU003815** Thickness: **5mm**, Bulk density: 3.32g.cm⁻³, Porosity: 63%, Coating: High temperature black copper oxide, Oxide layer thickness: Approx 90 Angstroms, Emissivity: Approx 0.7, Size: 50x64 mm
- CU003841** Thickness: **6.35mm**, Bulk density: 0.85g.cm⁻³, Pores/cm: 16, Purity: 99.9%, Diameter: 6 mm
- CU003830** Thickness: **6.35mm**, Bulk density: 0.8g.cm⁻³, Porosity: 91%, Pores/cm: 4, Purity: 99.9%, Size: 75x150 mm
- CU003835** Thickness: **6.35mm**, Bulk density: 0.8g.cm⁻³, Porosity: 91%, Pores/cm: 8, Purity: 99.9%, Size: 75x150 mm to 150x150 mm
- CU003840** Thickness: **6.35mm**, Bulk density: 0.8g.cm⁻³, Porosity: 91%, Pores/cm: 16, Purity: 99.9%, Size: 150x150 mm
- CU003810** Thickness: **10mm**, Bulk density: 3.32g.cm⁻³, Porosity: 63%, Size: 50x64 mm
- CU003820** Thickness: **10mm**, Bulk density: 3.32g.cm⁻³, Porosity: 63%, Coating: High temperature black copper oxide, Oxide layer thickness: Approx 90 Angstroms, Size: 50x64 mm



Mesh

- CU008725** Nominal Aperture: **0.14mm**, Thickness: 0.25mm, Wire diameter: 0.115mm, Wires/inch: 100x100, Open area: 30.3%, Type: Plain weave mesh, Length, Size: 100x100 mm to 900x900 mm
- CU008705** Nominal Aperture: **0.18mm**, Wire diameter: 0.14mm, Wires/inch: 80x80, Open area: 31%, Type: Plain weave mesh, Size: 100x100 mm to 900x900 mm
- CU008720** Nominal Aperture: **0.2mm**, Thickness: 0.004mm, Wire diameter: 0.0125mm, Wires/inch: 118, Open area: 88%, Type: Electro-formed mesh, Size: 30x30 mm to 260x260 mm
- CU008710** Nominal Aperture: **0.38mm**, Wire diameter: 0.25mm, Wires/inch: 40x40, Open area: 37%, Type: Plain weave mesh, Size: 100x100 mm to 600x600 mm



Wire

- CU005110** Diameter: **0.01mm**, Purity: 99.99%, Temper: Hard
- CU005170** Diameter: **0.02mm**, Purity: 99.99 + %, Temper: Hard

Metals

CU005171	Diameter: 0.02mm , Purity: 99.99%, Temper: Annealed
CU005195	Diameter: 0.025mm , Purity: 99.99 + %, Temper: As drawn
CU005202	Diameter: 0.04mm , Purity: 99.9%, Temper: Hard
CU005200	Diameter: 0.04mm , Purity: 99.9%, Temper: Annealed
CU005215	Diameter: 0.05mm , Purity: 99.9%, Temper: Annealed
CU005198	Diameter: 0.05mm , Purity: 99.99 + %, Temper: As drawn
CU005218	Diameter: 0.056mm , Purity: 99.9%, Temper: Annealed
CU005219	Diameter: 0.065mm , Purity: 99.9%, Temper: Annealed
CU005220	Diameter: 0.075mm , Purity: 99.9%, Temper: Annealed
CU005221	Diameter: 0.075mm , Purity: 99.99 + %, Temper: As drawn
CU005300	Diameter: 0.1mm , Purity: 99.9%, Cladding: Aluminum, Outside Diameter: 0.25mm
CU005240	Diameter: 0.1mm , Purity: 99.9%, Temper: Annealed
CU005250	Diameter: 0.125mm , Purity: 99.9%, Temper: Annealed
CU005252	Diameter: 0.125mm , High Purity: 99.99 + %, Temper: As drawn
CU005350	Diameter: 0.15mm , Purity: 99.9%, Temper: Annealed, Condition: Silver plated wire
CU005255	Diameter: 0.160mm , Purity: 99.9%, Temper: Annealed
CU005270	Diameter: 0.25mm , Purity: 99.9%, Temper: Annealed
CU005260	Diameter: 0.25mm , High Purity: 99.99 + %, Temper: As drawn
CU005275	Diameter: 0.28mm , Purity: 99.98 + %, Temper: Annealed
CU005285	Diameter: 0.5mm , High Purity: 99.999%, Temper: As drawn
CU005280	Diameter: 0.5mm , Purity: 99.9%, Temper: Annealed
CU005380	Diameter: 0.5mm , Purity: 99.9%, Temper: Annealed, Condition: Silver plated wire
CU005282	Diameter: 0.5mm , Purity: 99.98 + %, Temper: As drawn
CU005286	Diameter: 0.75mm , Purity: 99.98 + %, Temper: As drawn
CU005294	Diameter: 1.0mm , Purity: 99.98 + %, Temper: Annealed
CU005293	Diameter: 1.0mm , Purity: 99.98 + %, Temper: As drawn
CU005295	Diameter: 1.0mm , High Purity: 99.99 + %, Temper: As drawn
CU005290	Diameter: 1.0mm , Purity: 99.9%, Temper: Annealed



Insulated Wire

CU005812	Conductor diameter: 0.012mm , Insulation thickness: 0.006mm, Purity: 99.99%, Insulation: Polyurethane
CU005818	Conductor diameter: 0.018mm , Insulation thickness: 0.005mm, Purity: 99.99%, Insulation: Polyurethane

CU005826	Conductor diameter: 0.025mm , Insulation thickness: 0.002mm, Purity: 99.99%, Insulation: Polyimide, Temper: As drawn
CU005825	Conductor diameter: 0.025mm , Insulation thickness: 0.005mm, Purity: 99.99%, Insulation: Polyurethane
CU005840	Conductor diameter: 0.040mm , Insulation thickness: 0.002mm, Purity: 99.9%, Insulation: 2 micron Polyesterimide
CU005850	Conductor diameter: 0.05mm , Insulation thickness: 0.002mm, Purity: 99.9%, Insulation: 2 micron Polyesterimide
CU005861	Conductor diameter: 0.06mm , Insulation thickness: 0.013mm, Purity: 99.99%, Insulation: Polyimide
CU005891	Conductor diameter: 0.1mm , Insulation thickness: 0.005mm, Purity: 99.9%, Insulation: Polyurethane
CU005890	Conductor diameter: 0.1mm , Insulation thickness: 0.015mm, Purity: 99.9%, Insulation: 10-30 micron Polyesterimide
CU005868	Conductor diameter: 0.1mm , Insulation thickness: 0.01mm, Purity: 99.99%, Insulation: PTFE (Polytetrafluoroethylene)
CU005895	Conductor diameter: 0.125mm , Insulation thickness: 0.002mm, Purity: 99.9%, Insulation: 2 micron Polyesterimide
CU005865	Conductor diameter: 0.125mm , Insulation thickness: 0.01mm, Purity: 99.99%, Insulation: Polyimide
CU005894	Conductor diameter: 0.2mm , Insulation thickness: 0.08mm, Insulation: Polyimide
CU005893	Conductor diameter: 0.24mm , Insulation thickness: 0.25mm, Insulation: PTFE (Polytetrafluoroethylene)
CU005886	Conductor diameter: 0.4mm , Insulation thickness: 0.025mm, Purity: 99.99%, Insulation: Polyimide
CU005885	Conductor diameter: 0.45mm , Insulation thickness: 0.25mm, Insulation: PTFE (Polytetrafluoroethylene)
CU005884	Conductor diameter: 0.46mm , Insulation thickness: 0.015mm, Insulation: Polyurethane
CU005887	Conductor diameter: 0.5mm , Insulation thickness: 0.025mm, Purity: 99.99%, Insulation: Polyimide
CU005897	Conductor diameter: 0.5mm , Insulation thickness: 0.06mm, Insulation: Polyimide
CU005889	Conductor diameter: 0.7mm , Insulation thickness: 0.01mm, Insulation: Polyurethane
CU005888	Conductor diameter: 1.0mm , Insulation thickness: 0.045mm, Purity: 99.99%, Insulation: Polyimide, Temper: Annealed
CU005898	Conductor diameter: 1.0mm , Insulation thickness: 0.25mm, Insulation: PTFE (Polytetrafluoroethylene)
CU005899	Conductor diameter: 1.1mm , Insulation thickness: 0.25mm, Insulation: PTFE (Polytetrafluoroethylene)



Rod

CU007902	Diameter: 2.0mm , Purity: 99.9%, Temper: Hard, Length: 500 mm
CU007905	Diameter: 2.0mm , Purity: 99.99 + %, Temper: As drawn, Length: 100 mm to 1000 mm
CU007910	Diameter: 3.2mm , Purity: 99.9%, Temper: Hard, Length: 100 mm to 1000 mm

Metals

- CU007920** Diameter: **3.2mm**, High Purity: 99.99+%, Temper: As drawn, Length: 100 mm to 1000 mm
- CU007930** Diameter: **4.8mm**, Purity: 99.9%, Temper: Hard, Length: 100 mm to 1000 mm
- CU007940** Diameter: **4.8mm**, High Purity: 99.99+%, Temper: As drawn, Length: 100 mm to 1000 mm
- CU007945** Diameter: **5.0mm**, High Purity: 99.999%, Temper: As drawn, Length: 50 mm to 500 mm
- CU007948** Diameter: **6.35mm**, High Purity: 99.999%, Temper: As drawn, Length: 50 mm to 500 mm
- CU007949** Diameter: **8.0mm**, High Purity: 99.99+%, Temper: As drawn, Length: 100 mm to 500 mm
- CU007950** Diameter: **9.5mm**, Purity: 99.9%, Temper: Hard, Length: 100 mm to 1000 mm
- CU007955** Diameter: **9.5mm**, High Purity: 99.99+%, Temper: As drawn, Length: 100 mm to 500 mm
- CU007960** Diameter: **12.7mm**, High Purity: 99.99+%, Temper: As drawn, Length: 50 mm to 200 mm
- CU007965** Diameter: **16mm**, High Purity: 99.99+%, Temper: As drawn, Length: 50 mm to 200 mm
- CU007970** Diameter: **19.0mm**, High Purity: 99.99+%, Temper: As drawn, Length: 25 mm to 200 mm
- CU007980** Diameter: **20.6mm**, Purity: 99.9%, Temper: Hard, Length: 100 mm to 1000 mm



Bar

- CU008021** Side Length: **8.0mm**, Side Length (of longer side): 52mm, High Purity: 99.995%, Length: 50 mm to 200 mm



Tube

- CU007050** Outside Diameter: **0.25mm**, Wall Thickness: 0.1mm, Inside Diameter: 0.05mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm
- CU007100** Outside Diameter: **0.5mm**, Wall Thickness: 0.14mm, Inside Diameter: 0.22mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm
- CU007110** Outside Diameter: **0.65mm**, Wall Thickness: 0.22mm, Inside Diameter: 0.21mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm
- CU007130** Outside Diameter: **0.75mm**, Wall Thickness: 0.26mm, Inside Diameter: 0.23mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm
- CU007170** Outside Diameter: **0.95mm**, Wall Thickness: 0.33mm, Inside Diameter: 0.29mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm
- CU007180** Outside Diameter: **1.0mm**, Wall Thickness: 0.38mm, Inside Diameter: 0.24mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm
- CU007190** Outside Diameter: **1.0mm**, Wall Thickness: 0.17mm, Inside Diameter: 0.66mm, Purity: 99.9%, Length: 100 mm to 400 mm
- CU007220** Outside Diameter: **1.2mm**, Wall Thickness: 0.32mm, Inside Diameter: 0.56mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm
- CU007271** Outside Diameter: **1.5mm**, Wall Thickness: 0.45mm, Inside Diameter: 0.6mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm

- CU007310** Outside Diameter: **1.75mm**, Wall Thickness: 0.71mm, Inside Diameter: 0.33mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm
- CU007375** Outside Diameter: **2.0mm**, Wall Thickness: 0.2mm, Inside Diameter: 1.6mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm
- CU007395** Outside Diameter: **2.5mm**, Wall Thickness: 0.3mm, Inside Diameter: 1.9mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm
- CU007410** Outside Diameter: **3.0mm**, Wall Thickness: 0.9mm, Inside Diameter: 1.2mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm
- CU007440** Outside Diameter: **3.5mm**, Wall Thickness: 0.97mm, Inside Diameter: 1.56mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm
- CU007426** Outside Diameter: **4.0mm**, Wall Thickness: 0.45mm, Inside Diameter: 3.1mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm
- CU007425** Outside Diameter: **4.0mm**, Wall Thickness: 0.4mm, Inside Diameter: 3.2mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm
- CU007450** Outside Diameter: **5.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 4mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm
- CU007600** Outside Diameter: **6.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 4mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm
- CU007620** Outside Diameter: **6.35mm**, Wall Thickness: 0.71mm, Inside Diameter: 4.93mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm
- CU007645** Outside Diameter: **10.4mm**, Wall Thickness: 0.2mm, Inside Diameter: 10mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm
- CU007650** Outside Diameter: **12.7mm**, Wall Thickness: 1.22mm, Inside Diameter: 10.26mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm
- CU007700** Outside Diameter: **25.4mm**, Wall Thickness: 3.25mm, Inside Diameter: 18.9mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm



Powder

- CU006022** Max. Particle size: **5micron**, Purity: 99.8%, Condition: Spherical
- CU006024** Max. Particle size: **50micron**, Purity: 99%, Condition: Spherical
- CU006020** Max. Particle size: **50micron**, Purity: 99%, Condition: Dendritic
- CU006025** Max. Particle size: **150micron**, Purity: 99%, Condition: Spherical
- CU006045** Max. Particle size: **200micron**, Purity: 99.8%, Condition: Dendritic
- CU006030** Max. Particle size: **800micron**, High Purity: 99.99+%



Lump

- CU006101** Max. Lump size: **5mm**, High Purity: 99.99+%, Condition: Pellets
- CU006103** Max. Lump size: **5mm**, High Purity: 99.99+%, Condition: Pellets
- CU006102** Max. Lump size: **5mm**, High Purity: 99.9999%, Condition: Pellets

Metals

CU006107 Max. Lump size: **6.35mm**, High Purity: 99.99 + %, Condition: Shot

CU006106 Max. Lump size: **6.35mm**, High Purity: 99.9999%, Condition: Shot

CU006100 Max. Lump size: **10mm**, High Purity: 99.99 + %, Condition: Pellets

CU006110 Max. Lump size: **10mm**, High Purity: 99.999%, Condition: Pellets



Sphere

CU006820 Diameter: **1.0mm**, Tolerance: $\pm 25.4\mu\text{m}$, Sphericity: $5.08\mu\text{m}$, Grade: Precision Sphere, Condition: Grade 200

CU006840 Diameter: **3.0mm**, Tolerance: $\pm 25.4\mu\text{m}$, Sphericity: $5.08\mu\text{m}$, Grade: Precision Sphere, Condition: Grade 200



Single Crystal

CU002108 Oriented: **(100)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

CU002101 Oriented: **(100)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.999%, Condition: Unpolished

CU002102 Oriented: **(100)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

CU002105 Oriented: **(100)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.999%, Condition: Unpolished

CU002117 Oriented: **(100)**, Diameter: 12mm, Length: 10mm, Purity: 99.999%

CU002109 Oriented: **(100)**, Thickness: 0.2mm, Diameter: 12mm, Purity: 99.999%, Condition: Unpolished

CU002195 Oriented: **(100)**, Diameter: 25mm, Length: 18mm, Purity: 99.999%

CU002119 Oriented: **(100)**, Diameter: 10mm, Length: 25mm, Purity: 99.999%

CU002116 Oriented: **(100)**, Diameter: 12mm, Length: 25mm, Purity: 99.999%

CU002121 Oriented: **(100)**, Diameter: 10mm, Length: 50mm, Purity: 99.999%

CU002118 Oriented: **(100)**, Diameter: 12mm, Length: 50mm, Purity: 99.999%

CU002180 Oriented: **(100)**, Thickness: 0.5mm, Purity: 99.9999%, Condition: Polished on 1 side to 1 micron, Size: 10x10 mm

CU002140 Oriented: **(110)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.999%, Condition: Unpolished

CU002141 Oriented: **(110)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.999%, Condition: Polished on 1 side

CU002103 Oriented: **(110)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

CU002106 Oriented: **(110)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.999%, Condition: Unpolished

CU002110 Oriented: **(110)**, Diameter: 12mm, Length: 10mm, Purity: 99.999%

CU002115 Oriented: **(110)**, Diameter: 12mm, Length: 25mm, Purity: 99.999%

CU002120 Oriented: **(110)**, Diameter: 12mm, Length: 50mm, Purity: 99.999%

CU002190 Oriented: **(110)**, Diameter: 20mm, Length: 50mm, Purity: 99.999%

CU002181 Oriented: **(110)**, Thickness: 0.5mm, Purity: 99.9999%, Condition: Polished on 1 side to 1 micron, Size: 10x10 mm

CU002142 Oriented: **(111)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.999%, Condition: Unpolished

CU002143 Oriented: **(111)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.999%, Condition: Polished on 1 side

CU002104 Oriented: **(111)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

CU002107 Oriented: **(111)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.999%, Condition: Unpolished

CU002125 Oriented: **(111)**, Diameter: 10mm, Length: 10mm, Purity: 99.999%

CU002130 Oriented: **(111)**, Diameter: 12mm, Length: 10mm, Purity: 99.999%

CU002131 Oriented: **(111)**, Diameter: 12mm, Length: 25mm, Purity: 99.999%

CU002132 Oriented: **(111)**, Diameter: 12mm, Length: 50mm, Purity: 99.999%

CU002182 Oriented: **(111)**, Thickness: 0.5mm, Purity: 99.9999%, Condition: Polished on 1 side to 1 micron, Size: 10x10 mm

Copper - O.F.H.C. (Cu - OFHC)



Foil

CV000305 Thickness: **0.006mm**, Purity: 99.95 + %, Temper: Hard, Coil width 200 mm, Size: 50x50 mm to 200x200 mm

CV000306 Thickness: **0.007mm**, Purity: 99.95 + %, Temper: Hard, Coil width 200 mm, Size: 50x50 mm to 200x200 mm

CV000307 Thickness: **0.008mm**, Purity: 99.95 + %, Temper: Hard, Coil width 200 mm, Size: 50x50 mm to 200x200 mm

CV000311 Thickness: **0.010mm**, Coil width: 25mm, Purity: 99.95 + %, Temper: Hard, Length: 1 m to 20 m

CV000310 Thickness: **0.010mm**, Purity: 99.95 + %, Temper: Hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

CV000361 Thickness: **0.02mm**, Coil width: 6.35mm, Purity: 99.95 + %, Temper: Annealed, Length: 1 m to 50 m

CV000370 Thickness: **0.025mm**, Purity: 99.95 + %, Temper: Hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

CV000371 Thickness: **0.025mm**, Purity: 99.95 + %, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

CV000372 Thickness: **0.025mm**, Purity: 99.95 + %, Temper: Annealed, Coil width 305 mm, Size: 300x300 mm

CV000503 Thickness: **0.05mm**, Coil width: 10mm, Purity: 99.95 + %, Temper: Annealed, Length: 1 m to 50 m

CV000500 Thickness: **0.05mm**, Purity: 99.95 + %, Temper: Hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

CV000501 Thickness: **0.05mm**, Purity: 99.95 + %, Temper: Hard, Coil width 300 mm, Size: 300x300 mm

CV000504 Thickness: **0.05mm**, Coil width: 300mm, Purity: 99.95 + %, Temper: Half hard, Length: 0.5 m to 10 m

Metals

- CV000502** Thickness: **0.05mm**, Purity: 99.95 + %, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 150x150 mm
- CV000540** Thickness: **0.075mm**, Purity: 99.95 + %, Temper: Half hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- CV000563** Thickness: **0.1mm**, Coil width: 7.5mm, Purity: 99.95 + %, Temper: Annealed, Length: 1 m to 50 m
- CV000562** Thickness: **0.1mm**, Coil width: 100mm, Purity: 99.95 + %, Temper: Hard, Length: 0.5 m to 20 m
- CV000560** Thickness: **0.1mm**, Purity: 99.95 + %, Temper: Hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- CV000561** Thickness: **0.1mm**, Purity: 99.95 + %, Temper: Hard, Coil width 300 mm, Size: 300x300 mm
- CV000564** Thickness: **0.1mm**, Purity: 99.95 + %, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- CV000565** Thickness: **0.1mm**, Purity: 99.95 + %, Temper: Half hard, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
- CV000590** Thickness: **0.125mm**, Purity: 99.95 + %, Temper: Hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- CV000640** Thickness: **0.15mm**, Purity: 99.95 + %, Temper: Half hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- CV000641** Thickness: **0.15mm**, Purity: 99.95 + %, Temper: Half hard, Coil width 305 mm, Size: 300x300 mm
- CV000670** Thickness: **0.20mm**, Purity: 99.95 + %, Temper: Hard, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
- CV000702** Thickness: **0.25mm**, Purity: 99.95 + %, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- CV000700** Thickness: **0.25mm**, Purity: 99.95 + %, Temper: Half hard, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
- CV000730** Thickness: **0.3mm**, Purity: 99.95 + %, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- CV000740** Thickness: **0.4mm**, Purity: 99.95 + %, Temper: Half hard, Condition: Flattened, Size: 25x25 mm to 300x300 mm
- CV000745** Thickness: **0.5mm**, Purity: 99.95 + %, Temper: Half hard, Condition: Flattened, Condition: Polished on both sides, Size: 50x50 mm to 200x200 mm
- CV000744** Thickness: **0.5mm**, Purity: 99.95 + %, Temper: Half hard, Condition: Flattened, Size: 150x150 mm to 300x300 mm
- CV000743** Thickness: **0.5mm**, Purity: 99.95 + %, Temper: Half hard, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
- CV000746** Thickness: **0.6mm**, Purity: 99.95 + %, Temper: Half hard, Condition: Flattened, Size: 150x150 mm to 300x300 mm
- CV000747** Thickness: **0.7mm**, Purity: 99.95 + %, Temper: Half hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- CV000749** Thickness: **1.0mm**, Purity: 99.95 + %, Temper: Half hard, Size: 25x25 mm to 300x300 mm
- CV000756** Thickness: **1.6mm**, Purity: 99.95 + %, Temper: Hard, Size: 150x150 mm to 300x300 mm
- CV000765** Thickness: **2.0mm**, Purity: 99.95 + %, Temper: Half hard, Size: 25x25 mm to 300x1000 mm



Sheet

- CV003020** Thickness: **3.0mm**, Purity: 99.95 + %, Size: 100x100 mm to 300x300 mm
- CV003050** Thickness: **4.76mm**, Purity: 99.95 + %, Size: 50x50 mm to 300x300 mm
- CV003100** Thickness: **6.35mm**, Purity: 99.95 + %, Size: 50x50 mm to 300x300 mm
- CV003121** Thickness: **12.7mm**, High Purity: 99.99 + %, Temper: Annealed, Size: 150x150 mm
- CV003120** Thickness: **12.7mm**, Purity: 99.95 + %, Size: 102x102 mm to 305x305 mm
- CV003125** Thickness: **25.4mm**, Purity: 99.95 + %, Size: 102x102 mm



Wire

- CV005270** Diameter: **0.125mm**, Purity: 99.95 + %, Temper: Annealed
- CV005275** Diameter: **0.20mm**, Purity: 99.95 + %, Temper: As drawn
- CV005280** Diameter: **0.25mm**, Purity: 99.95 + %, Temper: As drawn
- CV005281** Diameter: **0.30mm**, Purity: 99.95 + %, Temper: As drawn
- CV005310** Diameter: **0.5mm**, Purity: 99.95 + %, Temper: Hard, Condition: Straight wire
- CV005282** Diameter: **0.5mm**, Purity: 99.95 + %, Temper: As drawn
- CV005286** Diameter: **0.75mm**, Purity: 99.95 + %, Temper: As drawn
- CV005288** Diameter: **0.80mm**, Purity: 99.95 + %, Temper: As drawn
- CV005320** Diameter: **1.0mm**, Purity: 99.95 + %, Temper: Hard, Condition: Straight wire
- CV005293** Diameter: **1.0mm**, Purity: 99.95 + %, Temper: As drawn
- CV005295** Diameter: **1.5mm**, Purity: 99.95 + %, Temper: Hard
- CV005294** Diameter: **2.0mm**, Purity: 99.95 + %, Temper: Hard
- CV005296** Diameter: **2.5mm**, Purity: 99.95 + %, Temper: Hard



Insulated Wire

- CV005860** Conductor diameter: **0.25mm**, Insulation thickness: 0.013mm, Purity: 99.95 + %, Temper: Annealed, Insulation: Polyimide



Rod

- CV007905** Diameter: **2.0mm**, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- CV007910** Diameter: **3.15mm**, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- CV007916** Diameter: **4.0mm**, Purity: 99.95 + %, Temper: Annealed, Length: 100 mm to 1000 mm
- CV007930** Diameter: **5.0mm**, Purity: 99.95 + %, Temper: Annealed, Length: 100 mm to 1000 mm
- CV007940** Diameter: **6.0mm**, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- CV007945** Diameter: **6.35mm**, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- CV007950** Diameter: **9.5mm**, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- CV007960** Diameter: **12.7mm**, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm

Metals

- CV007965** Diameter: **16mm**, Purity: 99.95+%, Temper: As drawn, Length: 100 mm to 1000 mm
- CV007968** Diameter: **19mm**, Purity: 99.95+%, Temper: As drawn, Length: 100 mm to 1000 mm
- CV007970** Diameter: **25.4mm**, Purity: 99.95+%, Temper: As drawn, Length: 100 mm to 1000 mm
- CV007971** Diameter: **25.4mm**, High Purity: 99.99+%, Temper: As drawn, Length: 25 mm to 200 mm
- CV007975** Diameter: **38.1mm**, Purity: 99.95+%, Temper: As drawn, Length: 100 mm to 1000 mm
- CV007980** Diameter: **50.0mm**, Purity: 99.95+%, Temper: As drawn, Length: 50 mm to 500 mm
- CV007985** Diameter: **63.5mm**, Purity: 99.95+%, Temper: As drawn, Length: 50 mm to 200 mm
- CV007988** Diameter: **76mm**, Purity: 99.95+%, Temper: As drawn, Length: 50 mm to 200 mm
- CV007990** Diameter: **80mm**, Purity: 99.95+%, Temper: As drawn, Length: 50 mm to 200 mm
- CV007999** Diameter: **101mm**, Purity: 99.95+%, Length: 36.7 mm



Tube

- CV007040** Outside Diameter: **0.38mm**, Wall Thickness: 0.08mm, Inside Diameter: 0.22mm, Purity: 99.95+%, Length: 100 mm to 1000 mm
- CV007060** Outside Diameter: **0.635mm**, Wall Thickness: 0.18mm, Inside Diameter: 0.275mm, Purity: 99.95+%, Length: 100 mm to 1000 mm
- CV007090** Outside Diameter: **0.9mm**, Wall Thickness: 0.17mm, Inside Diameter: 0.56mm, Purity: 99.95+%, Length: 100 mm to 1000 mm
- CV007120** Outside Diameter: **1.23mm**, Wall Thickness: 0.36mm, Inside Diameter: 0.51mm, Purity: 99.95+%, Length: 100 mm to 1000 mm
- CV007160** Outside Diameter: **1.60mm**, Wall Thickness: 0.5mm, Inside Diameter: 0.55mm, Purity: 99.95+%, Length: 100 mm to 1000 mm
- CV007180** Outside Diameter: **1.78mm**, Wall Thickness: 0.49mm, Inside Diameter: 0.8mm, Purity: 99.95+%, Length: 100 mm to 1000 mm
- CV007250** Outside Diameter: **2.54mm**, Wall Thickness: 0.5mm, Inside Diameter: 1.54mm, Purity: 99.95+%, Length: 100 mm to 1000 mm
- CV007290** Outside Diameter: **3.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 2mm, Purity: 99.95+%, Temper: Hard, Length: 100 mm to 1000 mm
- CV007300** Outside Diameter: **3.2mm**, Wall Thickness: 0.4mm, Inside Diameter: 2.4mm, Purity: 99.95+%, Length: 100 mm to 1000 mm
- CV007390** Outside Diameter: **3.92mm**, Wall Thickness: 0.1mm, Inside Diameter: 3.72mm, Purity: 99.95+%, Length: 100 mm to 500 mm
- CV007410** Outside Diameter: **4.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 2mm, Purity: 99.95+%, Length: 100 mm to 1000 mm
- CV007400** Outside Diameter: **4.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 3mm, Purity: 99.95+%, Length: 100 mm to 1000 mm
- CV007450** Outside Diameter: **6.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 4mm, Purity: 99.95+%, Temper: Hard, Length: 100 mm to 1000 mm
- CV007600** Outside Diameter: **8.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 6mm, Purity: 99.95+%, Length: 100 mm to 1000 mm

- CV007700** Outside Diameter: **9.5mm**, Wall Thickness: 0.8mm, Inside Diameter: 7.9mm, Purity: 99.95+%, Length: 100 mm to 1000 mm

- CV007800** Outside Diameter: **10mm**, Wall Thickness: 1.0mm, Inside Diameter: 8mm, Purity: 99.95+%, Length: 100 mm to 1000 mm

Dysprosium (Dy)



Foil

- DY000200** Thickness: **0.005mm**, Purity: 99%, Temper: As rolled, Size: 5x5 mm to 25x25 mm
- DY000210** Thickness: **0.025mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm
- DY000220** Thickness: **0.1mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm
- DY000225** Thickness: **0.125mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- DY000240** Thickness: **0.25mm**, Tolerance: 20 %, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm
- DY000260** Thickness: **0.50mm**, Tolerance: 20 %, Purity: 99%, Temper: As rolled, Size: 100x100 mm



Sputtering Target

- DY009100** Thickness: **1.0mm**, Purity: 99%, Size: 50 mm to 75 mm



Wire

- DY005105** Diameter: **0.5mm**, Purity: 99.9%, Temper: Hard
- DY005110** Diameter: **1.0mm**, Purity: 99.9%, Temper: Hard



Rod

- DY007905** Diameter: **2.0mm**, Purity: 99%, Condition: Cast, Length: 50 mm
- DY007910** Diameter: **6.35mm**, Purity: 99%, Condition: Cast, Length: 50 mm to 100 mm



Powder

- DY006010** Max. Particle size: **500micron**, Purity: 99.9%



Lump

- DY006100** Max. Lump size: **25mm**, Purity: 99%

Erbium (Er)



Foil

- ER000205** Thickness: **0.005mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm
- ER000200** Thickness: **0.025mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm
- ER000215** Thickness: **0.125mm**, Tolerance: 20 %, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- ER000280** Thickness: **1.0mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm



Sputtering Target

- ER009100** Thickness: **1.0mm**, Purity: 99%, Size: 50 mm to 75 mm



Wire

- ER005110** Diameter: **1.0mm**, Purity: 99.9%, Temper: Hard



Rod

- ER007905** Diameter: **2.0mm**, Purity: 99%, Condition: Cast, Length: 50 mm

Metals

ER007910 Diameter: **6.35mm**, Purity: 99%, Condition: Cast, Length: 50 mm to 100 mm

ER007920 Diameter: **10.0mm**, Purity: 99%, Condition: Cast, Length: 50 mm to 100 mm



Powder

ER006010 Max. Particle size: **500micron**, Purity: 99.9%



Lump

ER006100 Max. Lump size: **25mm**, Purity: 99%

Europium (Eu)



Foil

EU000200 Thickness: **0.1mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 50x50 mm



Sputtering Target

EU009300 Thickness: **3.0mm**, Purity: 99.9%, Size: 25 mm to 75 mm



Wire

EU005110 Diameter: **1.0mm**, Purity: 99.95%, Temper: Hard



Powder

EU006010 Max. Particle size: **250micron**, Purity: 99.9%

Gadolinium (Gd)



Foil

GD000205 Thickness: **0.005mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm

GD000210 Thickness: **0.01mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

GD000230 Thickness: **0.025mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

GD000235 Thickness: **0.05mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

GD000236 Thickness: **0.05mm**, Purity: 99%, Temper: As rolled, Size: 150x150 mm

GD000240 Thickness: **0.1mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

GD000250 Thickness: **0.25mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

GD000260 Thickness: **0.5mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

GD000290 Thickness: **2.0mm**, Purity: 99%, Temper: As rolled, Size: 10x10 mm to 100x100 mm



Sputtering Target

GD009100 Thickness: **1.0mm**, Purity: 99%, Size: 50 mm to 75 mm

GD009200 Thickness: **2.0mm**, Purity: 99%, Size: 50 mm to 75 mm



Wire

GD005105 Diameter: **0.5mm**, Purity: 99.9%, Temper: Hard

GD005110 Diameter: **1.0mm**, Purity: 99.9%, Temper: Hard



Rod

GD007905 Diameter: **3.0mm**, Purity: 99%, Condition: Cast, Length: 48 mm to 100 mm

GD007910 Diameter: **6.35mm**, Purity: 99%, Condition: Cast, Length: 50 mm to 100 mm

GD007925 Diameter: **12.5mm**, Purity: 99%, Condition: Cast, Length: 25 mm to 100 mm



Powder

GD006010 Max. Particle size: **500micron**, Purity: 99.9%



Lump

GD006100 Max. Lump size: **25mm**, Purity: 99.9%

GD006101 Max. Lump size: **50mm**, Purity: 99.9%

Gallium (Ga)



Lump

GA006120 Max. Lump size: **25mm**, Purity: 99.99%, Melting Point: 29.8C

GA006100 Max. Lump size: **25mm**, High Purity: 99.9999%, Melting Point: 29.8C

Germanium (Ge)



Microfoil

GE004600 Thinness: **0.25µm**, Specific density: 166.3µg.cm⁻², Purity: 99.9999%, Permanent support: 6 micron Aluminum, Size: 25x25 mm to 50x50 mm

GE004700 Thinness: **0.5µm**, Specific density: 333µg.cm⁻², Purity: 99.9999%, Permanent support: 6 micron Aluminum, Size: 25x25 mm



Sheet

GE003010 Thickness: **0.05mm**, Purity: 99.999%, Condition: Polycrystalline, Electrical type: N-Type, Size: 4x4 mm

GE003020 Thickness: **0.10mm**, Purity: 99.999%, Condition: Polycrystalline, Electrical type: N-Type, Size: 10x10 mm

GE003030 Thickness: **0.25mm**, Purity: 99.999%, Condition: Polycrystalline, Electrical type: N-Type, Size: 10x10 mm

GE003053 Thickness: **0.5mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (111), Electrical type: N-Type, Size: 10x10 mm

GE003051 Thickness: **0.5mm**, Purity: 99.999%, Condition: Single crystal, Diameter: 12 mm

GE003052 Thickness: **0.5mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (111), Electrical type: N-Type, Size: 50x50 mm

GE003054 Thickness: **0.5mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (100), Electrical type: N-Type, Diameter: 50.8 mm

GE003055 Thickness: **0.6mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (111), Electrical type: N-Type, Size: 10x10 mm

GE003070 Thickness: **0.7mm**, Purity: 99.999%, Condition: Polycrystalline, Electrical type: N-Type, Size: 35x35 mm

GE003121 Thickness: **1.0mm**, Purity: 99.999%, Condition: Polycrystalline, Electrical type: N-Type, Diameter: 15 mm

GE003100 Thickness: **1.0mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (100), Diameter: 20 mm

GE003120 Thickness: **1.0mm**, Purity: 99.999%, Condition: Polycrystalline, Electrical type: N-Type, Size: 6x6 mm to 25x25 mm

GE003101 Thickness: **1.0mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (111), Electrical type: N-Type, Size: 25x25 mm

GE003105 Thickness: **1.0mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (111), Electrical type: N-Type, Diameter: 25 mm

Metals

GE003122 Thickness: **1.0mm**, Purity: 99.999%, Condition: Polycrystalline, Electrical type: N-Type, Size: 50x50 mm

GE003125 Thickness: **2.0mm**, Purity: 99.999%, Condition: Polycrystalline, Electrical type: N-Type, Size: 10x24 mm

GE003130 Thickness: **3.0mm**, Purity: 99.999%, Condition: Polycrystalline, Electrical type: N-Type, Size: 25x25 mm

GE003131 Thickness: **3.0mm**, Purity: 99.999%, Condition: Polycrystalline, Electrical type: N-Type, Size: 50x50 mm



Sputtering Target

GE009200 Thickness: **2.0mm**, Purity: 99.999%, Size: 25.4 mm

GE009300 Thickness: **3.0mm**, Purity: 99.999%, Size: 25.4 mm to 50.8 mm

GE009600 Thickness: **6.0mm**, Purity: 99.999%, Size: 25.4 mm to 50.8 mm



Rod

GE007910 Diameter: **2.0mm**, Purity: 99.999%, Condition: Polycrystalline, Electrical type: N-Type, Length: 25 mm to 50 mm

GE007920 Diameter: **5mm**, Purity: 99.999%, Condition: Polycrystalline, Electrical type: N-Type, Length: 25 mm to 100 mm

GE007930 Diameter: **6.0mm**, Purity: 99.999%, Condition: Single crystal, Length: 6 mm



Powder

GE006011 Max. Particle size: **150micron**, Purity: 99.999%



Lump

GE006101 Max. Lump size: **10mm**, Purity: 99.999%, Condition: Polycrystalline

GE006102 Max. Lump size: **12.5mm**, Purity: 99.999%, Condition: Polycrystalline, Electrical type: P-type

GE006100 Max. Lump size: **25mm**, Purity: 99.999%, Condition: Polycrystalline

Gold (Au)



Microfoil

AU004100 Thickness: **0.01μm**, Specific density: 20.7μg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5μm, Diameter: 10 mm

AU004300 Thickness: **0.05μm**, Specific density: 101.3μg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5μm, Diameter: 10 mm

AU004500 Thickness: **0.1μm**, Specific density: 204.1μg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5μm, Diameter: 10 mm

AU004600 Thickness: **0.25μm**, Specific density: 483μg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5μm, Diameter: 10 mm

AU004700 Thickness: **0.5μm**, Specific density: 966μg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5μm, Diameter: 10 mm

AU004800 Thickness: **0.75μm**, Specific density: 1449μg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5μm, Diameter: 10 mm

AU004850 Thickness: **1.0μm**, Specific density: 1932μg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5μm, Diameter: 10 mm



Microleaf

AU004925 Thickness: **0.25μm**, Specific density: 483μg.cm⁻², Purity: 99.99 + %, Support: Removable, Diameter: 10 mm

AU004950 Thickness: **0.5μm**, Specific density: 966μg.cm⁻², Purity: 99.99 + %, Support: Removable, Diameter: 10 mm

AU004990 Thickness: **1.0μm**, Specific density: 1932μg.cm⁻², Purity: 99.99 + %, Support: Removable, Diameter: 10 mm



Foil

AU000060 Thickness: **0.001mm**, Purity: 99.9%, Size: 25x25 mm

AU000065 Thickness: **0.0015mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm

AU000070 Thickness: **0.002mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm

AU000080 Thickness: **0.0025mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

AU000090 Thickness: **0.003mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

AU000100 Thickness: **0.004mm**, Purity: 99.9%, Size: 25x25 mm to 150x150 mm

AU000110 Thickness: **0.005mm**, Purity: 99.9%, Size: 25x25 mm to 150x150 mm

AU000120 Thickness: **0.006mm**, Purity: 99.9%, Size: 25x25 mm to 150x150 mm

AU000130 Thickness: **0.007mm**, Purity: 99.9%, Size: 25x25 mm to 150x150 mm

AU000140 Thickness: **0.008mm**, Purity: 99.9%, Size: 25x25 mm to 150x150 mm

AU000150 Thickness: **0.009mm**, Purity: 99.9%, Size: 25x25 mm to 150x150 mm

AU000310 Thickness: **0.01mm**, Coil width: .35mm, Purity: 99.95%, Temper: As rolled, Length: 0.1 m to 2 m

AU000160 Thickness: **0.01mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

AU000329 Thickness: **0.0125mm**, Coil width: .127mm, Purity: 99.95%, Temper: As rolled, Length: 0.1 m to 2 m

AU000330 Thickness: **0.0125mm**, Coil width: .38mm, Purity: 99.95%, Temper: As rolled, Length: 0.1 m to 2 m

AU000331 Thickness: **0.0125mm**, Coil width: .508mm, Purity: 99.95%, Temper: As rolled, Length: 0.1 m to 2 m

AU000170 Thickness: **0.0125mm**, Purity: 99.9%, Size: 25x25 mm to 150x150 mm

AU000180 Thickness: **0.015mm**, Purity: 99.9%, Size: 25x25 mm to 150x150 mm

AU000190 Thickness: **0.02mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

AU000342 Thickness: **0.025mm**, Coil width: 2mm, Purity: 99.95%, Temper: As rolled, Length: 0.05 m to 0.5 m

AU000340 Thickness: **0.025mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

AU000341 Thickness: **0.025mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

AU000343 Thickness: **0.05mm**, Coil width: 4mm, Purity: 99.95%, Temper: As rolled, Length: 0.05 m to 0.5 m

Metals

- AU000344** Thickness: **0.05mm**, Purity: 99.95%, Condition: Central 0.06mm diameter hole, Diameter: 8 mm
- AU000345** Thickness: **0.05mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- AU000347** Thickness: **0.05mm**, High Purity: 99.99%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- AU000349** Thickness: **0.10mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- AU000348** Thickness: **0.10mm**, High Purity: 99.99%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- AU000351** Thickness: **0.125mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- AU000350** Thickness: **0.125mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- AU000371** Thickness: **0.250mm**, Purity: 99.95%, Temper: As rolled, Size: 10x10 mm to 100x100 mm
- AU000370** Thickness: **0.250mm**, High Purity: 99.99%, Temper: As rolled, Size: 10x10 mm to 50x50 mm
- AU000372** Thickness: **0.25mm**, High Purity: 99.999%, Temper: As rolled, Size: 10x10 mm to 100x100 mm
- AU000380** Thickness: **0.50mm**, Purity: 99.95%, Temper: As rolled, Size: 10x10 mm to 50x50 mm
- AU000381** Thickness: **0.50mm**, High Purity: 99.999%, Temper: As rolled, Size: 10x10 mm to 50x50 mm
- AU000385** Thickness: **0.75mm**, Purity: 99.95%, Temper: As rolled, Size: 10x10 mm to 50x50 mm
- AU000391** Thickness: **1.0mm**, Purity: 99.95%, Temper: As rolled, Condition: Polished on both sides, Diameter: 12 mm
- AU000392** Thickness: **1.0mm**, Purity: 99.95%, Temper: As rolled, Condition: Polished on both sides, Size: 10x10 mm
- AU000390** Thickness: **1.0mm**, Purity: 99.95%, Temper: As rolled, Size: 10x10 mm to 50x50 mm
- AU000393** Thickness: **1.0mm**, High Purity: 99.999%, Temper: As rolled, Size: 10x10 mm to 50x50 mm
- AU000395** Thickness: **1.5mm**, Purity: 99.95%, Temper: As rolled, Size: 10x10 mm to 50x50 mm
- AU000396** Thickness: **1.5mm**, High Purity: 99.999%, Temper: As rolled, Size: 10x10 mm to 50x50 mm
- AU000400** Thickness: **2.0mm**, Purity: 99.95%, Temper: As rolled, Size: 10x10 mm to 50x50 mm
- AU000401** Thickness: **2.0mm**, High Purity: 99.999%, Temper: As rolled, Size: 10x10 mm to 50x50 mm



Sputtering Target

- AU009100** Thickness: **0.1mm**, Tolerance: 15%, Purity: 99.95%, Size: 25 mm to 57 mm
- AU009202** Thickness: **0.2mm**, Tolerance: 15%, Purity: 99.95%, Size: 25 mm to 57 mm
- AU009203** Thickness: **0.5mm**, Tolerance: 15%, Purity: 99.95%, Size: 25 mm to 54 mm
- AU009205** Thickness: **1.0mm**, High Purity: 99.999%, Size: 25.4 mm
- AU009206** Thickness: **1.0mm**, Purity: 99.95%, Size: 25 mm to 57 mm
- AU009207** Thickness: **2.0mm**, High Purity: 99.999%, Size: 25.4 mm to 50.8 mm
- AU009208** Thickness: **3mm**, Purity: 99.95%, Size: 25 mm to 50 mm

- AU009209** Thickness: **3mm**, High Purity: 99.999%, Size: 25 mm to 50 mm



Mesh

- AU008721** Nominal Aperture: **0.011mm**, Thickness: 0.004mm, Wire diameter: 0.005mm, Wires/inch: 1500, Open area: 44%, Purity: 99.9%, Type: Electro-formed mesh, Size: 10x10 mm to 50x50 mm
- AU008725** Nominal Aperture: **0.04mm**, Thickness: 0.006mm, Wire diameter: 0.011mm, Wires/inch: 500, Open area: 60%, Purity: 99.9%, Type: Electro-formed mesh, Size: 10x10 mm to 50x50 mm
- AU008730** Nominal Aperture: **0.064mm**, Thickness: 0.004mm, Wire diameter: 0.0125mm, Wires/inch: 333, Open area: 70%, Purity: 99.9%, Type: Electro-formed mesh, Size: 10x10 mm to 50x50 mm
- AU008710** Nominal Aperture: **0.25mm**, Wire diameter: 0.06mm, Wires/inch: 82x82, Open area: 65%, Purity: 99.9%, Type: Plain weave mesh, Size: 20x20 mm to 100x100 mm



Wire

- AU005110** Diameter: **0.01mm**, Purity: 99.99 + %, Temper: Hard
- AU005115** Diameter: **0.0125mm**, Purity: 99.99 + %, Temper: Hard
- AU005120** Diameter: **0.025mm**, Purity: 99.99 + %, Temper: Hard
- AU005121** Diameter: **0.025mm**, Purity: 99.99 + %, Temper: Annealed
- AU005125** Diameter: **0.05mm**, Purity: 99.99 + %, Temper: Hard
- AU005126** Diameter: **0.05mm**, Purity: 99.99 + %, Temper: Annealed
- AU005130** Diameter: **0.06mm**, Purity: 99.99 + %, Temper: Hard
- AU005132** Diameter: **0.075mm**, High Purity: 99.99%, Temper: Annealed
- AU005133** Diameter: **0.10mm**, High Purity: 99.99%, Temper: Annealed
- AU005135** Diameter: **0.125mm**, High Purity: 99.99 + %, Temper: Hard
- AU005137** Diameter: **0.20mm**, High Purity: 99.99%, Temper: Annealed
- AU005140** Diameter: **0.25mm**, High Purity: 99.99 + %, Temper: Hard
- AU005145** Diameter: **0.33mm**, Purity: 99.95%, Temper: As drawn
- AU005148** Diameter: **0.40mm**, Purity: 99.95%, Temper: As drawn
- AU005150** Diameter: **0.5mm**, High Purity: 99.99 + %, Temper: Hard
- AU005151** Diameter: **0.5mm**, High Purity: 99.999%, Temper: Hard
- AU005160** Diameter: **0.5mm**, Purity: 99.95%, Temper: As drawn
- AU005155** Diameter: **0.5mm**, Purity: 99.99%, Temper: Annealed
- AU005165** Diameter: **0.75mm**, Purity: 99.95%, Temper: As drawn
- AU005166** Diameter: **0.75mm**, High Purity: 99.999%, Temper: As drawn

Metals

AU005171 Diameter: **1.0mm**, Purity: 99.95%, Temper: As drawn

AU005170 Diameter: **1.0mm**, High Purity: 99.99 + %, Temper: Hard

AU005172 Diameter: **1.0mm**, High Purity: 99.999%, Temper: As drawn



Insulated Wire

AU005825 Conductor diameter: **0.025mm**, Insulation thickness: 0.002mm, Purity: 99.99%, Insulation: PTFE (Polytetrafluoroethylene)

AU005820 Conductor diameter: **0.025mm**, Insulation thickness: 0.005mm, Purity: 99.99%, Insulation: Polyester

AU005830 Conductor diameter: **0.05mm**, Insulation thickness: 0.007mm, Purity: 99.99%, Insulation: Polyester

AU005831 Conductor diameter: **0.05mm**, Insulation thickness: 0.007mm, Purity: 99.99%, Insulation: Polyimide

AU005835 Conductor diameter: **0.05mm**, Insulation thickness: 0.009mm, Purity: 99.99%, Insulation: PTFE (Polytetrafluoroethylene)

AU005810 Conductor diameter: **0.075mm**, Insulation thickness: 0.012mm, Purity: 99.99%, Insulation: PTFE (Polytetrafluoroethylene)

AU005837 Conductor diameter: **0.10mm**, Insulation thickness: 0.013mm, Purity: 99.99%, Insulation: PTFE (Polytetrafluoroethylene)

AU005836 Conductor diameter: **0.10mm**, Insulation thickness: 0.013mm, Purity: 99.99%, Insulation: Polyimide

AU005840 Conductor diameter: **0.125mm**, Insulation thickness: 0.014mm, Purity: 99.99%, Insulation: Polyester

AU005845 Conductor diameter: **0.125mm**, Insulation thickness: 0.016mm, Purity: 99.99%, Insulation: PTFE (Polytetrafluoroethylene)



Rod

AU007905 Diameter: **1.6mm**, Purity: 99.95%, Temper: As drawn, Length: 25 mm to 100 mm

AU007910 Diameter: **2.0mm**, Purity: 99.95%, Temper: As drawn, Length: 25 mm to 100 mm

AU007920 Diameter: **3.0mm**, Purity: 99.95%, Temper: As drawn, Length: 10 mm to 50 mm

AU007940 Diameter: **4.0mm**, Purity: 99.95%, Temper: As drawn, Length: 10 mm to 25 mm

AU007950 Diameter: **5.0mm**, Purity: 99.95%, Temper: As drawn, Length: 10 mm to 25 mm

AU007960 Diameter: **6.0mm**, Purity: 99.95%, Temper: As drawn, Length: 6 mm

AU007961 Diameter: **6.0mm**, Purity: 99.95%, Temper: As drawn, Length: 10 mm to 25 mm



Tube

AU007020 Outside Diameter: **0.15mm**, Wall Thickness: 0.05mm, Inside Diameter: 0.05mm, Purity: 99.95%, Temper: As drawn, Length: 10 mm

AU007050 Outside Diameter: **0.3mm**, Wall Thickness: 0.05mm, Inside Diameter: 0.2mm, Purity: 99.95%, Temper: As drawn, Length: 50 mm to 200 mm

AU007150 Outside Diameter: **1.0mm**, Wall Thickness: 0.25mm, Inside Diameter: 0.5mm, Purity: 99.95%, Temper: As drawn, Length: 50 mm to 200 mm

AU007100 Outside Diameter: **1.0mm**, Wall Thickness: 0.15mm, Inside Diameter: 0.7mm, Purity: 99.95%, Temper: As drawn, Length: 50 mm to 200 mm

AU007180 Outside Diameter: **1.60mm**, Wall Thickness: 0.5mm, Inside Diameter: 0.6mm, Purity: 99.95%, Temper: As drawn, Length: 50 mm to 200 mm

AU007190 Outside Diameter: **1.80mm**, Wall Thickness: 0.5mm, Inside Diameter: 0.8mm, Purity: 99.95%, Temper: As drawn, Length: 61 mm

AU007201 Outside Diameter: **2.0mm**, Wall Thickness: 0.15mm, Inside Diameter: 1.7mm, Purity: 99.95%, Temper: As drawn, Length: 50 mm to 200 mm

AU007200 Outside Diameter: **2.0mm**, Wall Thickness: 0.1mm, Inside Diameter: 1.8mm, Purity: 99.95%, Temper: As drawn, Length: 50 mm to 200 mm

AU007290 Outside Diameter: **3.0mm**, Wall Thickness: 0.10mm, Inside Diameter: 2.8mm, Purity: 99.95%, Temper: As drawn, Length: 50 mm to 200 mm

AU007650 Outside Diameter: **8mm**, Wall Thickness: 0.1mm, Inside Diameter: 7.8mm, Purity: 99.95%, Temper: As drawn, Length: 50 mm to 100 mm

AU007651 Outside Diameter: **8mm**, Wall Thickness: 0.1mm, Inside Diameter: 7.8mm, Purity: 99.95%, Temper: As drawn, Length: 200 mm to 1000 mm

AU007700 Outside Diameter: **10.0mm**, Wall Thickness: 0.15mm, Inside Diameter: 9.7mm, Purity: 99.95%, Temper: As drawn, Length: 50 mm to 100 mm



Powder

AU006022 Mean Particle size: **0.015micron**, Purity: 99.95%, Condition: Nanopowder

AU006020 Mean Particle size (FSSS): **<2micron**, Purity: 99.95%

AU006015 Max. Particle size: **45micron**, Purity: 99.95%

AU006010 Max. Particle size: **250micron**, Purity: 99.95%



Lump

AU006106 Max. Lump size: **4mm**, High Purity: 99.999%

AU006100 Max. Lump size: **6mm**, Purity: 99.99%



Sphere

AU006840 Diameter: **0.5mm**, Purity: 99.99%

AU006845 Diameter: **0.6mm**, Purity: 99.99%



Single Crystal

AU002121 Oriented: **(100)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

AU002120 Oriented: **(100)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.999%, Condition: Unpolished

AU002131 Oriented: **(110)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

AU002130 Oriented: **(110)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.999%, Condition: Unpolished

AU002141 Oriented: **(111)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

AU002140 Oriented: **(111)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.999%, Condition: Unpolished

Metals

Graphene (C)



Film

- GR001005** Thickness: **0.035mm**, Monolayer thickness: 2-3nm, Substrate: Copper foil - 0.035mm thick, Film morphology: Continuous monolayer >95%, Sheet resistance: Av. <250-400 ohms/sq (after transfer), Mobility: >3500cm²/Vs, Transmittance: >97%, Domain size: 10-20µm, Size: 50x50 mm to 80x80 mm
- GR001410** Thickness: **0.1mm**, Condition: Single crystal, Size: 15x15 mm
- GR001020** Thickness: **0.188mm**, Monolayer thickness: 2-3nm, Substrate: PET, Film morphology: Continuous monolayer >95%, Sheet resistance: Av. <250-400 ohms/sq (after transfer), Mobility: >3500cm²/Vs, Transmittance: >97%, Domain size: 10-20µm, Size: 10x10 mm to 148x210 mm
- GR001030** Thickness: **0.500mm**, Monolayer thickness: 2-3nm, Substrate: Quartz glass, Film morphology: Continuous monolayer >95%, Sheet resistance: Av. <250-400 ohms/sq (after transfer), Mobility: >3500cm²/Vs, Transmittance: >97%, Domain size: 10-30µm, Size: 10x10 mm
- GR001010** Thickness: **0.525mm**, Monolayer thickness: 2-3nm, Substrate: SiO₂ (300nm)/Si wafer (standard), Film morphology: Continuous monolayer >95%, Sheet resistance: Av. <250-400 ohms/sq (after transfer), Mobility: >3500cm²/Vs, Transmittance: >97%, Domain size: 10-20µm, Size: 10x10 mm to 25.4x25.4 mm



Powder

- GR006040** Bulk density: **2.15%**, Platelet Planar Size: 0.3-5µm, Platelet Thickness: <50nm, Functionalization Levels: Kit containing 2g each of Low, Medium, & High, Process Route: Oxygen
- GR006050** Bulk density: **2.15%**, Platelet Planar Size: 0.3-5µm, Platelet Thickness: <50nm, Functionalization Levels: Kit containing 2g each of Low, Medium, & High, Process Route: Nitrogen
- GR006060** Bulk density: **2.15%**, Platelet Planar Size: 0.3-5µm, Platelet Thickness: <50nm, Functionalization Levels: Kit containing 2g each of Low, Medium, & High, Process Route: Ammonia
- GR006070** Bulk density: **2.15%**, Platelet Planar Size: 0.3-5µm, Platelet Thickness: <50nm, Functionalization Levels: Kit containing 2g each of Low, Medium, & High, Process Route: Fluorocarbon
- GR006080** Bulk density: **2.15%**, Platelet Planar Size: 0.3-5µm, Platelet Thickness: <50nm, Functionalization Levels: Kit containing 2g each of Low, Medium, & High, Process Route: Argon
- GR006090** Bulk density: **2.15%**, Platelet Planar Size: 0.3-5µm, Platelet Thickness: <50nm, Functionalization Levels: Kit containing 2g each of Low, Medium, & High, Process Route: Acid Vapor

Hafnium (Hf)



Foil

- HF000090** Thickness: **0.003mm**, Purity: 97.0%, Size: 25x25 mm

- HF000100** Thickness: **0.004mm**, Purity: 97.0%, Size: 25x25 mm to 50x50 mm
- HF000110** Thickness: **0.005mm**, Purity: 97.0%, Size: 25x25 mm to 50x50 mm
- HF000120** Thickness: **0.006mm**, Purity: 97.0%, Size: 25x25 mm to 50x50 mm
- HF000130** Thickness: **0.007mm**, Purity: 97.0%, Size: 25x25 mm to 50x50 mm
- HF000140** Thickness: **0.008mm**, Purity: 97.0%, Size: 25x25 mm to 50x50 mm
- HF000150** Thickness: **0.009mm**, Purity: 97.0%, Size: 100x100 mm
- HF000160** Thickness: **0.01mm**, Purity: 97.0%, Size: 100x100 mm
- HF000170** Thickness: **0.0125mm**, Purity: 97.0%, Size: 100x100 mm
- HF000180** Thickness: **0.015mm**, Purity: 97.0%, Size: 25x25 mm to 100x100 mm
- HF000190** Thickness: **0.02mm**, Purity: 97.0%, Size: 25x25 mm to 100x100 mm
- HF000200** Thickness: **0.025mm**, Purity: 97.0%, Temper: Annealed, Size: 150x150 mm
- HF000205** Thickness: **0.075mm**, Purity: 97.0%, Temper: Annealed, Size: 25x25 mm to 150x150 mm
- HF000210** Thickness: **0.125mm**, Purity: 97.0%, Temper: Annealed, Size: 25x25 mm to 150x150 mm
- HF000214** Thickness: **0.14mm**, Purity: 97.0%, Temper: Annealed, Size: 25x25 mm to 150x150 mm
- HF000220** Thickness: **0.25mm**, Purity: 97.0%, Temper: Annealed, Size: 25x25 mm to 100x100 mm
- HF000230** Thickness: **0.5mm**, Purity: 97.0%, Temper: Annealed, Size: 25x25 mm to 100x100 mm
- HF000240** Thickness: **1.0mm**, Purity: 97.0%, Temper: Annealed, Size: 25x25 mm to 100x100 mm



Sputtering Target

- HF009100** Thickness: **1.0mm**, Purity: 97.0%, Size: 50 mm
- HF009300** Thickness: **3.0mm**, Purity: 97.0%, Size: 25.4 mm to 75 mm



Wire

- HF005105** Diameter: **0.125mm**, Purity: 97.0%, Temper: As drawn
- HF005110** Diameter: **0.25mm**, Purity: 97.0%, Temper: As drawn
- HF005120** Diameter: **0.5mm**, Purity: 97.0%, Temper: As drawn
- HF005130** Diameter: **1.0mm**, Purity: 97.0%, Temper: As drawn



Rod

- HF007900** Diameter: **1.6mm**, Purity: 97.0%, Temper: As drawn, Length: 100 mm to 1000 mm
- HF007902** Diameter: **2.0mm**, Purity: 97.0%, Temper: As drawn, Length: 100 mm to 1000 mm
- HF007910** Diameter: **5.0mm**, Purity: 97%, Temper: As drawn, Length: 50 mm to 200 mm



Powder

- HF006010** Max. Particle size: **45micron**, Purity: 95.0 + %



Lump

- HF006105** Max. Lump size: **10mm**, Purity: 97.0%

Metals

HF006100 Max. Lump size: **10mm**, Purity: 97.0%, Condition: Sponge

Holmium (Ho)



Foil

HO000200 Thickness: **0.005mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm

HO000205 Thickness: **0.0125mm**, Tolerance: 20 %, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

HO000210 Thickness: **0.025mm**, Tolerance: 20 %, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

HO000215 Thickness: **0.05mm**, Tolerance: 20 %, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

HO000220 Thickness: **0.1mm**, Tolerance: 20 %, Purity: 99%, Temper: As rolled, Size: 25x25 mm

HO000221 Thickness: **0.125mm**, Tolerance: 20 %, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

HO000230 Thickness: **0.25mm**, Purity: 99%, Temper: As rolled, Size: 10x26 mm

HO000260 Thickness: **0.50mm**, Tolerance: 20 %, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 100x100 mm



Wire

HO005105 Diameter: **0.5mm**, Purity: 99.9%, Temper: As drawn

HO005110 Diameter: **1.0mm**, Purity: 99.9%, Temper: Hard



Rod

HO007902 Diameter: **2.0mm**, Purity: 99%, Length: 50 mm

HO007905 Diameter: **3.8mm**, Purity: 99%, Length: 50 mm to 200 mm

HO007910 Diameter: **6.35mm**, Purity: 99%, Condition: Cast, Length: 50 mm to 100 mm



Powder

HO006010 Max. Particle size: **500micron**, Purity: 99.9%



Lump

HO006100 Max. Lump size: **25mm**, Purity: 99%

Indium (In)



Foil

IN000040 Thickness: **0.002mm**, Purity: 99.8%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

IN000050 Thickness: **0.0025mm**, Purity: 99.8%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

IN000060 Thickness: **0.003mm**, Purity: 99.8%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

IN000070 Thickness: **0.004mm**, Purity: 99.8%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

IN000080 Thickness: **0.005mm**, Purity: 99.8%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

IN000090 Thickness: **0.006mm**, Purity: 99.8%, Support: Temporary Acrylic, Size: 25x25 mm to 100x100 mm

IN000100 Thickness: **0.007mm**, Purity: 99.8%, Support: Temporary Acrylic, Size: 25x25 mm to 100x100 mm

IN000110 Thickness: **0.008mm**, Purity: 99.8%, Support: Temporary Acrylic, Size: 25x25 mm to 100x100 mm

IN000120 Thickness: **0.009mm**, Purity: 99.8%, Support: Temporary Acrylic, Size: 25x25 mm to 100x100 mm

IN000130 Thickness: **0.01mm**, Purity: 99.8%, Size: 25x25 mm to 100x100 mm

IN000140 Thickness: **0.0125mm**, Purity: 99.8%, Support: Temporary Acrylic, Size: 25x25 mm to 100x100 mm

IN000150 Thickness: **0.015mm**, Purity: 99.8%, Size: 25x25 mm to 100x100 mm

IN000160 Thickness: **0.02mm**, Purity: 99.8%, Size: 25x25 mm to 100x100 mm

IN000170 Thickness: **0.025mm**, Purity: 99.8%, Size: 25x25 mm to 100x100 mm

IN000180 Thickness: **0.03mm**, Purity: 99.8%, Size: 25x25 mm to 100x100 mm

IN000190 Thickness: **0.04mm**, Purity: 99.8%, Size: 25x25 mm to 100x100 mm

IN000200 Thickness: **0.05mm**, Tolerance: 20 %, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 75x300 mm

IN000210 Thickness: **0.075mm**, Tolerance: 20 %, High Purity: 99.999%, Temper: As rolled, Size: 150x150 mm

IN000230 Thickness: **0.1mm**, Tolerance: 20 %, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 150x150 mm

IN000250 Thickness: **0.125mm**, Tolerance: 20 %, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 150x150 mm

IN000251 Thickness: **0.125mm**, Tolerance: 20 %, High Purity: 99.999%, Temper: As rolled, Size: 200x300 mm

IN000255 Thickness: **0.15mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 150x150 mm

IN000260 Thickness: **0.20mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 150x150 mm

IN000264 Thickness: **0.25mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 150x150 mm

IN000266 Thickness: **0.5mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 100x200 mm

IN000267 Thickness: **0.6mm**, High Purity: 99.999%, Temper: As rolled

IN000268 Thickness: **0.75mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 150x150 mm

IN000270 Thickness: **1.0mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 150x300 mm

IN000300 Thickness: **2.0mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 150x150 mm

IN000350 Thickness: **3.0mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

Metals



Sputtering Target

- IN009200** Thickness: **2.0mm**, High Purity: 99.999%, Size: 50 mm to 75 mm
- IN009300** Thickness: **3.0mm**, High Purity: 99.999%, Size: 50 mm to 75 mm
- IN009600** Thickness: **6.0mm**, High Purity: 99.999%, Size: 50 mm to 76.2 mm



Wire

- IN005105** Diameter: **0.15mm**, High Purity: 99.999%, Temper: As drawn
- IN005110** Diameter: **0.25mm**, High Purity: 99.999%, Temper: As drawn
- IN005120** Diameter: **0.5mm**, High Purity: 99.999%, Temper: As drawn
- IN005125** Diameter: **0.75mm**, High Purity: 99.999%, Temper: As drawn
- IN005130** Diameter: **1.0mm**, High Purity: 99.999%, Temper: As drawn
- IN005132** Diameter: **1.2mm**, High Purity: 99.999%, Temper: As drawn
- IN005140** Diameter: **1.5mm**, High Purity: 99.999%, Temper: As drawn
- IN005142** Diameter: **1.8mm**, High Purity: 99.999%, Temper: As drawn
- IN005148** Diameter: **2.4mm**, High Purity: 99.999%, Temper: As drawn



Rod

- IN007910** Diameter: **2.0mm**, High Purity: 99.999%, Length: 100 mm to 1000 mm
- IN007912** Diameter: **3.0mm**, High Purity: 99.999%, Length: 100 mm to 1000 mm
- IN007915** Diameter: **3.5mm**, High Purity: 99.999%, Length: 100 mm to 1000 mm
- IN007920** Diameter: **5.0mm**, High Purity: 99.999%, Length: 50 mm to 1000 mm
- IN007921** Diameter: **5.0mm**, High Purity: 99.99999%, Length: 25 mm
- IN007930** Diameter: **10.0mm**, High Purity: 99.999%, Length: 50 mm to 300 mm



Bar

- IN008010** Side Length: **27mm**, Side Length (of longer side): 35mm, High Purity: 99.999%, Length: 150 mm



Powder

- IN006010** Max. Particle size: **150micron**, High Purity: 99.999%



Lump

- IN006101** Max. Lump size: **8mm**, High Purity: 99.999%, Condition: Pellets - nominally 6.35mm diameter x 6.35mm length
- IN006100** Max. Lump size: **15mm**, High Purity: 99.999%
- IN006120** Max. Lump size: **20mm**, High Purity: 99.99998%

Iridium (Ir)



Microfoil

- IR004500** Thickness: **0.1µm**, Specific density: 224µg.cm⁻², Purity: 99.9%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm



Foil

- IR000208** Thickness: **0.01mm**, Purity: 99.9%, Temper: As rolled, Size: 10x50 mm to 40x40 mm
- IR000205** Thickness: **0.025mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm
- IR000206** Thickness: **0.03mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm
- IR000201** Thickness: **0.05mm**, Coil width: .5mm, Purity: 99.9%, Temper: As rolled, Length: 0.025 m to 0.18 m
- IR000200** Thickness: **0.05mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm
- IR000209** Thickness: **0.1mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm
- IR000210** Thickness: **0.125mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm
- IR000215** Thickness: **0.15mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm
- IR000220** Thickness: **0.25mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm
- IR000270** Thickness: **0.5mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm
- IR000301** Thickness: **1.0mm**, Purity: 99.9%, Temper: As rolled, Diameter: 5 mm to 8 mm
- IR000300** Thickness: **1.0mm**, Purity: 99.9%, Temper: As rolled, Size: 10x10 mm to 50x50 mm



Sputtering Target

- IR009100** Thickness: **1.0mm**, Purity: 99.9%, Size: 25.4 mm to 57 mm
- IR009300** Thickness: **3.2mm**, Purity: 99.9%, Size: 25.4 mm to 50.8 mm



Wire

- IR005100** Diameter: **0.075mm**, Purity: 99.9%, Temper: As drawn
- IR005102** Diameter: **0.1mm**, Purity: 99.9%, Temper: As drawn
- IR005106** Diameter: **0.125mm**, Purity: 99.5%, Temper: As drawn
- IR005105** Diameter: **0.125mm**, Purity: 99.9%, Temper: As drawn
- IR005110** Diameter: **0.15mm**, Purity: 99.9%, Temper: As drawn
- IR005115** Diameter: **0.177mm**, Purity: 99.9%, Temper: As drawn
- IR005118** Diameter: **0.2mm**, Purity: 99.9%, Temper: As drawn
- IR005121** Diameter: **0.25mm**, Purity: 99.9%, Temper: As drawn, Condition: Straight wire
- IR005120** Diameter: **0.25mm**, Purity: 99.9%, Temper: As drawn
- IR005125** Diameter: **0.38mm**, Purity: 99.9%, Temper: As drawn
- IR005131** Diameter: **0.5mm**, Purity: 99.9%, Temper: As drawn, Condition: Straight wire
- IR005130** Diameter: **0.5mm**, Purity: 99.9%, Temper: As drawn
- IR005133** Diameter: **0.6mm**, Purity: 99.9%, Temper: As drawn, Condition: Straight wire
- IR005132** Diameter: **0.7mm**, Purity: 99.9%, Temper: As drawn, Condition: Straight wire
- IR005136** Diameter: **0.8mm**, Purity: 99.9%, Temper: As drawn, Condition: Straight wire

Metals

IR005135 Diameter: **0.8mm**, Purity: 99.9%, Temper: As drawn

IR005140 Diameter: **1.0mm**, Purity: 99.9%, Temper: As drawn

IR005141 Diameter: **1.0mm**, Purity: 99.9%, Temper: As drawn, Condition: Straight wire

IR005150 Diameter: **2.0mm**, Purity: 99.9%, Temper: As drawn



Rod

IR007920 Diameter: **2.0mm**, Purity: 99.9%, Temper: As drawn, Length: 25 mm to 100 mm

IR007930 Diameter: **3.0mm**, Purity: 99.9%, Temper: As drawn, Length: 25 mm to 100 mm

IR007935 Diameter: **4.0mm**, Purity: 99.9%, Temper: As drawn, Length: 10 mm to 50 mm

IR007938 Diameter: **5.0mm**, Purity: 99.9%, Temper: As drawn, Length: 5 mm to 50 mm

IR007940 Diameter: **6.0mm**, Purity: 99.9%, Temper: As drawn, Length: 5 mm to 30 mm



Powder

IR006012 Max. Particle size: **50micron**, Purity: 99.9%

IR006010 Max. Particle size: **850micron**, High Purity: 99.995%



Lump

IR006105 Max. Lump size: **10mm**, Purity: 99.9%, Condition: Pellets

IR006100 Max. Lump size: **15mm**, Purity: 99.9%, Condition: Casting grain

Iron (Fe)



Microfoil

FE004300 Thinness: **0.05µm**, Specific density: 40.44µg.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm

FE004550 Thinness: **0.15µm**, Specific density: 176.7µg.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm

FE004600 Thinness: **0.25µm**, Specific density: 176.7µg.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm



Foil

FE000030 Thickness: **0.0005mm**, Purity: 99.85%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

FE000040 Thickness: **0.00075mm**, Purity: 99.85%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

FE000050 Thickness: **0.001mm**, Purity: 99.85%, Size: 25x25 mm to 50x50 mm

FE000060 Thickness: **0.002mm**, Purity: 99.85%, Size: 25x25 mm to 100x100 mm

FE000070 Thickness: **0.0025mm**, Purity: 99.85%, Size: 25x25 mm to 150x150 mm

FE000080 Thickness: **0.003mm**, Purity: 99.85%, Size: 25x25 mm to 150x150 mm

FE000201 Thickness: **0.004mm**, High Purity: 99.99+%, Size: 25x25 mm to 50x50 mm

FE000090 Thickness: **0.004mm**, Purity: 99.85%, Size: 25x25 mm to 150x150 mm

FE000100 Thickness: **0.005mm**, Purity: 99.85%, Size: 25x25 mm to 150x150 mm

FE000110 Thickness: **0.006mm**, Purity: 99.85%, Size: 25x25 mm to 150x150 mm

FE000120 Thickness: **0.007mm**, Purity: 99.85%, Size: 25x25 mm to 150x150 mm

FE000130 Thickness: **0.008mm**, Purity: 99.85%, Size: 25x25 mm to 150x150 mm

FE000140 Thickness: **0.009mm**, Purity: 99.85%, Size: 25x25 mm to 150x150 mm

FE000207 Thickness: **0.01mm**, High Purity: 99.99+%, Size: 50x50 mm to 100x100 mm

FE000150 Thickness: **0.01mm**, Purity: 99.85%, Size: 25x25 mm to 100x100 mm

FE000210 Thickness: **0.0125mm**, High Purity: 99.99+%, Size: 50x50 mm to 100x100 mm

FE000160 Thickness: **0.0125mm**, Purity: 99.85%, Size: 50x50 mm to 150x150 mm

FE000211 Thickness: **0.015mm**, High Purity: 99.99+%, Size: 100x100 mm

FE000170 Thickness: **0.015mm**, Purity: 99.85%, Size: 100x100 mm to 150x150 mm

FE000180 Thickness: **0.020mm**, Purity: 99.85%, Size: 100x100 mm to 150x150 mm

FE000230 Thickness: **0.025mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

FE000240 Thickness: **0.025mm**, Purity: 99.5%, Temper: Hard, Coil width 150 mm, Size: 25x25 mm to 300x300 mm

FE000255 Thickness: **0.038mm**, Purity: 99.5%, Temper: Hard, Coil width 120 mm, Size: 25x25 mm to 100x100 mm

FE000262 Thickness: **0.05mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

FE000260 Thickness: **0.05mm**, Purity: 99.5%, Temper: Hard, Coil width 305 mm, Size: 300x300 mm

FE000292 Thickness: **0.075mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

FE000290 Thickness: **0.075mm**, Purity: 99.5%, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE000315 Thickness: **0.10mm**, Purity: 99.8%, Condition: Soft ingot Iron, Temper: As rolled, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

FE000320 Thickness: **0.1mm**, Purity: 99.5%, Temper: Hard, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

FE000316 Thickness: **0.10mm**, Purity: 99.8%, Condition: Soft ingot Iron, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

FE000360 Thickness: **0.125mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

FE000330 Thickness: **0.125mm**, Purity: 99.5%, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE000380 Thickness: **0.15mm**, Purity: 99.5%, Temper: Hard, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

FE000390 Thickness: **0.20mm**, Purity: 99.5%, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

Metals

- FE000401** Thickness: **0.25mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- FE000400** Thickness: **0.25mm**, Purity: 99.5%, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- FE000403** Thickness: **0.38mm**, Purity: 99.5%, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- FE000408** Thickness: **0.5mm**, Coil width: 49mm, Purity: 99.8+%, Condition: ARMCO[®] soft ingot Iron, Length: 0.2 m to 5 m
- FE000406** Thickness: **0.5mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- FE000405** Thickness: **0.5mm**, Purity: 99.5%, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- FE000414** Thickness: **0.9mm**, Purity: 99.5%, Temper: As rolled, Condition: Polished on both sides, Size: 100x100 mm to 200x200 mm
- FE000409** Thickness: **0.9mm**, Purity: 99.5%, Temper: As rolled, Size: 25x25 mm to 300x300 mm
- FE000411** Thickness: **1.0mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- FE000410** Thickness: **1.0mm**, Purity: 99.5%, Temper: As rolled, Size: 25x25 mm to 300x300 mm
- FE000413** Thickness: **1.0mm**, Purity: 99.8%, Temper: As rolled, Condition: ARMCO[®] soft ingot Iron, Size: 150x150 mm to 300x300 mm
- FE000450** Thickness: **1.5mm**, Purity: 99.5%, Temper: As rolled, Size: 25x25 mm to 500x500 mm
- FE000455** Thickness: **1.5mm**, Purity: 99.8%, Temper: As rolled, Condition: ARMCO[®] soft ingot Iron, Size: 150x150 mm to 300x300 mm
- FE000560** Thickness: **1.63mm**, Purity: 99.5%, Temper: Quarter hard, Size: 50x50 mm to 150x500 mm
- FE000580** Thickness: **1.83mm**, Purity: 99.5%, Temper: Quarter hard, Size: 25x25 mm to 150x150 mm
- FE000462** Thickness: **2.0mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- FE000460** Thickness: **2mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- FE000465** Thickness: **2.0mm**, Purity: 99.8%, Temper: As rolled, Condition: ARMCO[®] soft ingot Iron, Size: 100x100 mm to 300x300 mm
- FE000471** Thickness: **3.0mm**, Purity: 99.5%, Temper: As rolled, Condition: Mirror polished on both sides, Size: 305x305 mm
- FE000470** Thickness: **3.0mm**, Purity: 99.5%, Temper: As rolled, Size: 150x150 mm to 300x300 mm
- FE000480** Thickness: **3.1mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- FE000500** Thickness: **5mm**, Purity: 99.8+%, Temper: As rolled, Condition: ARMCO[®] soft ingot Iron, Size: 90x200 mm to 300x300 mm
- FE000501** Thickness: **5mm**, Purity: 99.8%, Temper: As rolled, Condition: ARMCO[®] soft ingot Iron, Size: 175x525 mm to 606x606 mm



Sputtering Target

- FE009200** Thickness: **2.0mm**, Purity: 99.95%, Size: 25 mm to 75 mm

- FE009301** Thickness: **3.0mm**, High Purity: 99.99+%, Size: 25.4 mm to 76.2 mm
- FE009300** Thickness: **3.0mm**, Purity: 99.95%, Size: 25 mm to 75 mm
- FE009500** Thickness: **5.0mm**, Purity: 99.95%, Size: 31 mm
- FE009600** Thickness: **6.0mm**, Purity: 99.99+%, Size: 25 mm to 75 mm
- FE009601** Thickness: **6.0mm**, Purity: 99.95%, Size: 50.8 mm to 76.2 mm



Wire

- FE005105** Diameter: **0.025mm**, High Purity: 99.99+%, Temper: As drawn
- FE005106** Diameter: **0.03mm**, Purity: 99.5%, Temper: As drawn
- FE005110** Diameter: **0.05mm**, Purity: 99.5%, Temper: Hard
- FE005112** Diameter: **0.065mm**, Purity: 99.5%, Temper: Hard
- FE005121** Diameter: **0.125mm**, Purity: 99.5%, Temper: Hard
- FE005125** Diameter: **0.13mm**, High Purity: 99.99+%, Temper: Hard
- FE005140** Diameter: **0.25mm**, High Purity: 99.99+%, Temper: Hard
- FE005141** Diameter: **0.25mm**, High Purity: 99.99+%, Temper: Annealed
- FE005131** Diameter: **0.25mm**, Purity: 99.5%, Temper: Hard
- FE005156** Diameter: **0.5mm**, High Purity: 99.998%, Temper: As drawn
- FE005155** Diameter: **0.5mm**, High Purity: 99.99+%, Temper: Hard
- FE005153** Diameter: **0.5mm**, Purity: 99.95%, Temper: As drawn
- FE005165** Diameter: **0.8mm**, Purity: 99.5%, Temper: Annealed
- FE005172** Diameter: **1.0mm**, Purity: 99.5%, Temper: Annealed
- FE005180** Diameter: **1.0mm**, High Purity: 99.99+%, Temper: As drawn



Insulated Wire

- FE005806** Conductor diameter: **0.15mm**, Insulation thickness: 0.016mm, Insulation: Polyimide
- FE005811** Conductor diameter: **0.175mm**, Insulation thickness: 0.0135mm, Insulation: Polyimide
- FE005816** Conductor diameter: **0.200mm**, Insulation thickness: 0.018mm, Insulation: Polyimide
- FE005821** Conductor diameter: **0.25mm**, Insulation thickness: 0.02mm, Insulation: Polyimide
- FE005820** Conductor diameter: **0.25mm**, Insulation thickness: 0.01mm, Insulation: Polyester



Rod

- FE007912** Diameter: **2.0mm**, Purity: 99.95%, Temper: As drawn, Length: 21 mm
- FE007911** Diameter: **2.0mm**, Purity: 99.95%, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007910** Diameter: **2.0mm**, High Purity: 99.99+%, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007925** Diameter: **3.0mm**, High Purity: 99.99+%, Temper: As drawn, Length: 50 mm to 500 mm
- FE007920** Diameter: **3.2mm**, Purity: 98+%, Temper: As drawn, Length: 100 mm to 1000 mm

Metals

- FE007929** Diameter: **4mm**, Purity: 98 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007928** Diameter: **4.0mm**, High Purity: 99.99 + %, Temper: As drawn, Length: 50 mm to 300 mm
- FE007930** Diameter: **4.8mm**, Purity: 98 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007943** Diameter: **5.0mm**, High Purity: 99.99 + %, Temper: As drawn, Length: 50 mm to 300 mm
- FE007945** Diameter: **6.0mm**, High Purity: 99.99 + %, Temper: As drawn, Length: 50 mm to 300 mm
- FE007947** Diameter: **6.35mm**, Purity: 98 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007946** Diameter: **6.35mm**, Purity: 99.8%, Temper: As drawn, Condition: Soft ingot iron, Length: 100 mm to 1000 mm
- FE007948** Diameter: **8.0mm**, High Purity: 99.99 + %, Temper: As drawn, Length: 50 mm to 200 mm
- FE007950** Diameter: **9.5mm**, Purity: 98 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007951** Diameter: **9.5mm**, Purity: 99.8 + %, Temper: As drawn, Condition: Soft ingot iron, Length: 100 mm to 1000 mm
- FE007955** Diameter: **10.0mm**, High Purity: 99.99 + %, Temper: As drawn, Length: 25 mm to 100 mm
- FE007957** Diameter: **12.7mm**, Purity: 98 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007956** Diameter: **12.7mm**, Purity: 99.95%, Temper: As drawn, Length: 50 mm to 500 mm
- FE007960** Diameter: **19.0mm**, Purity: 98 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007961** Diameter: **19mm**, Purity: 99.8%, Temper: As drawn, Condition: Soft ingot iron, Length: 100 mm to 1000 mm
- FE007965** Diameter: **25mm**, Purity: 98 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007969** Diameter: **25.4mm**, Purity: 99.8%, Temper: As drawn, Condition: Soft ingot iron, Length: 50 mm to 1000 mm
- FE007972** Diameter: **27.0mm**, Purity: 99.8%, Temper: As drawn, Condition: ARMCO® soft ingot iron, Length: 50 mm to 400 mm
- FE007975** Diameter: **30mm**, Purity: 98 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007974** Diameter: **30mm**, Purity: 99.8%, Temper: As drawn, Condition: ARMCO® soft ingot iron, Length: 100 mm to 1000 mm
- FE007978** Diameter: **40mm**, Purity: 99.8%, Temper: As drawn, Condition: ARMCO® soft ingot iron, Length: 50 mm to 500 mm
- FE007985** Diameter: **50mm**, Purity: 98 + %, Temper: As drawn, Length: 100 mm to 500 mm
- FE007980** Diameter: **50mm**, Purity: 99.8%, Temper: As drawn, Condition: ARMCO® soft ingot iron, Length: 50 mm to 500 mm
- FE007990** Diameter: **80mm**, Purity: 99.8%, Temper: As drawn, Condition: ARMCO® soft ingot iron, Length: 50 mm to 200 mm
- FE007995** Diameter: **100mm**, Purity: 99.8%, Temper: As drawn, Condition: ARMCO® soft ingot iron, Length: 50 mm to 200 mm



Tube

- FE007070** Outside Diameter: **1.0mm**, Wall Thickness: 0.1mm, Inside Diameter: 0.8mm, Purity: 99.5%, Temper: As drawn, Length: 100 mm to 1000 mm

- FE007090** Outside Diameter: **1.40mm**, Wall Thickness: 0.3mm, Inside Diameter: 0.8mm, Purity: 99.6%, Temper: As drawn, Condition: ARMCO® soft ingot iron, Length: 100 mm to 1000 mm
- FE007100** Outside Diameter: **1.65mm**, Wall Thickness: 0.38mm, Inside Diameter: 0.89mm, Purity: 99.6%, Temper: As drawn, Condition: ARMCO® soft ingot iron, Length: 100 mm to 1000 mm
- FE007160** Outside Diameter: **2.0mm**, Wall Thickness: 0.46mm, Inside Diameter: 1.08mm, Purity: 99.5%, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007150** Outside Diameter: **2.0mm**, Wall Thickness: 0.2mm, Inside Diameter: 1.6mm, Purity: 99.5%, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007180** Outside Diameter: **2.30mm**, Wall Thickness: 0.115mm, Inside Diameter: 2.07mm, Purity: 99.5%, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007200** Outside Diameter: **2.38mm**, Wall Thickness: 0.39mm, Inside Diameter: 1.6mm, Purity: 99.6%, Temper: As drawn, Condition: ARMCO® soft ingot iron, Length: 100 mm to 1000 mm
- FE007300** Outside Diameter: **3.18mm**, Wall Thickness: 0.61mm, Inside Diameter: 1.96mm, Purity: 99.5%, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007320** Outside Diameter: **3.2mm**, Wall Thickness: 0.5mm, Inside Diameter: 2.2mm, Purity: 99.6%, Temper: As drawn, Condition: ARMCO® soft ingot iron, Length: 100 mm to 1000 mm
- FE007400** Outside Diameter: **4.0mm**, Wall Thickness: 0.2mm, Inside Diameter: 3.6mm, Purity: 99.5%, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007500** Outside Diameter: **5.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 4mm, Purity: 99.5%, Temper: As drawn, Length: 100 mm to 499 mm
- FE007501** Outside Diameter: **5.0mm**, Wall Thickness: 0.25mm, Inside Diameter: 4.5mm, Purity: 99.5%, Temper: As drawn, Length: 100 mm to 1000 mm
- FE007550** Outside Diameter: **6.35mm**, Wall Thickness: 0.5mm, Inside Diameter: 5.35mm, Purity: 99.6%, Temper: As drawn, Condition: ARMCO® soft ingot iron, Length: 100 mm to 1000 mm
- FE007570** Outside Diameter: **8.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 5mm, Purity: 99.5%, Temper: Annealed, Length: 100 mm to 1000 mm
- FE007600** Outside Diameter: **9.5mm**, Wall Thickness: 0.5mm, Inside Diameter: 8.5mm, Purity: 99.6%, Temper: As drawn, Condition: ARMCO® soft ingot iron, Length: 100 mm to 1000 mm
- FE007650** Outside Diameter: **10.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 7mm, Purity: 99.5%, Temper: Annealed, Length: 100 mm to 1000 mm
- FE007645** Outside Diameter: **10.6mm**, Wall Thickness: 0.3mm, Inside Diameter: 10.0mm, Purity: 99.6%, Temper: As drawn, Condition: ARMCO® soft ingot iron, Length: 100 mm to 1000 mm
- FE007680** Outside Diameter: **12.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 9mm, Purity: 99.5%, Temper: Annealed, Length: 100 mm to 1000 mm

Metals

- FE007681** Outside Diameter: **12.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 10mm, Purity: 99.5%, Temper: Annealed, Length: 100 mm to 1000 mm
- FE007685** Outside Diameter: **12.7mm**, Wall Thickness: 1.6mm, Inside Diameter: 9.5mm, Purity: 99.5%, Temper: Annealed, Length: 100 mm to 1000 mm
- FE007700** Outside Diameter: **15.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 12mm, Purity: 99.5%, Temper: Annealed, Length: 100 mm to 1000 mm
- FE007730** Outside Diameter: **20.0mm**, Wall Thickness: 2.0mm, Inside Diameter: 16mm, Purity: 99.5%, Temper: Annealed, Length: 100 mm to 1000 mm
- FE007740** Outside Diameter: **21.5mm**, Wall Thickness: 2.6mm, Inside Diameter: 16.3mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm
- FE007750** Outside Diameter: **25.0mm**, Wall Thickness: 2mm, Inside Diameter: 21mm, Purity: 99.5%, Temper: Annealed, Length: 100 mm to 1000 mm



Powder

- FE006045** Mean Particle size: **1-6micron**, Purity: 98%, Condition: Spherical
- FE006041** Mean Particle size: **6-8micron**, Purity: 99.0 + %
- FE006020** Max. Particle size: **60micron**, Purity: 99.0 + %
- FE006010** Max. Particle size: **450micron**, Purity: 99.0 + %
- FE006030** Max. Particle size: **800micron**, High Purity: 99.99 + %, Condition: Sponge



Lump

- FE006102** Max. Lump size: **4mm**, High Purity: 99.99 + %, Condition: Pellets
- FE006100** Max. Lump size: **10mm**, Purity: 99.95%, Condition: Pellets
- FE006101** Max. Lump size: **10mm**, High Purity: 99.99 + %, Condition: Pellets



Single Crystal

- FE002112** Oriented: **(100)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.98%, Condition: Polished on 1 side to 1 micron
- FE002110** Oriented: **(100)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.98%, Condition: Unpolished
- FE002114** Oriented: **(110)**, Thickness: 0.5mm, Diameter: 10mm, Purity: 99.98%, Condition: Unpolished
- FE002113** Oriented: **(110)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.98%, Condition: Polished on 1 side to 1 micron
- FE002111** Oriented: **(110)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.98%, Condition: Unpolished
- FE002116** Oriented: **(111)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.98%, Condition: Polished on 1 side to 1 micron
- FE002115** Oriented: **(111)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.98%, Condition: Unpolished
- FE002130** Oriented: **Random**, Thickness: 1mm, Diameter: 5mm, Purity: 99.98%, Condition: Unpolished
- FE002010** Oriented: **Random**, Diameter: 5mm, Length: 8mm, Purity: 99.98%
- FE002011** Oriented: **Random**, Diameter: 9mm, Length: 10mm, Purity: 99.98%
- FE002012** Oriented: **Random**, Diameter: 9mm, Length: 25mm, Purity: 99.98%
- FE002013** Oriented: **Random**, Diameter: 9mm, Length: 50mm, Purity: 99.98%

Lanthanum (La)



Foil

- LA000200** Thickness: **0.025mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- LA000210** Thickness: **0.1mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- LA000215** Thickness: **0.125mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- LA000240** Thickness: **0.5mm**, Purity: 99%, Temper: As rolled, Size: 29x33 mm to 35x47 mm



Sputtering Target

- LA009100** Thickness: **1.0mm**, Purity: 99%, Size: 50 mm to 75 mm



Rod

- LA007910** Diameter: **6.35mm**, Purity: 99%, Condition: Cast, Length: 50 mm to 100 mm



Powder

- LA006020** Max. Particle size: **400micron**, Purity: 99.9%



Lump

- LA006100** Max. Lump size: **25mm**, Purity: 99%

Lead (Pb)



Microfoil

- PB004010** Thinness: **0.001µm**, Specific density: 1.135µg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5µm, Diameter: 10 mm
- PB004200** Thinness: **0.025µm**, Specific density: 30.9µg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5µm, Diameter: 10 mm
- PB004500** Thinness: **0.1µm**, Specific density: 103.4µg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5µm, Diameter: 10 mm
- PB004600** Thinness: **0.25µm**, Specific density: 266.7µg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm
- PB004850** Thinness: **1.0µm**, Specific density: 1047.8µg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm



Foil

- PB000020** Thickness: **0.001mm**, Purity: 99.99%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm
- PB000030** Thickness: **0.002mm**, Purity: 99.99%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm
- PB000040** Thickness: **0.0025mm**, Purity: 99.99%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm
- PB000050** Thickness: **0.003mm**, Purity: 99.99%, Size: 25x25 mm to 50x50 mm
- PB000060** Thickness: **0.004mm**, Purity: 99.99%, Size: 25x25 mm to 100x100 mm
- PB000065** Thickness: **0.0045mm**, Purity: 99.99%, Size: 25x25 mm to 50x50 mm
- PB000070** Thickness: **0.005mm**, Purity: 99.99%, Size: 25x25 mm to 100x100 mm
- PB000080** Thickness: **0.006mm**, Purity: 99.99%, Size: 25x25 mm to 100x100 mm

Metals

Metals — Lead

PB000090	Thickness: 0.007mm , Purity: 99.99%, Size: 25x25 mm to 100x100 mm
PB000100	Thickness: 0.008mm , Purity: 99.99%, Size: 25x25 mm to 100x100 mm
PB000110	Thickness: 0.009mm , Purity: 99.99%, Size: 25x25 mm to 100x100 mm
PB000120	Thickness: 0.01mm , Purity: 99.99%, Size: 25x25 mm to 100x100 mm
PB000130	Thickness: 0.0125mm , Purity: 99.99%, Size: 25x25 mm to 100x100 mm
PB000140	Thickness: 0.015mm , Purity: 99.99%, Size: 25x25 mm to 100x100 mm
PB000210	Thickness: 0.016mm , Purity: 96%, Temper: As rolled, Composition: Pb 96%, Sn 1.5%, Sb 2.5%, Coil width 300 mm, Size: 300x300 mm
PB000150	Thickness: 0.02mm , Purity: 99.99%, Size: 25x25 mm to 150x150 mm
PB000160	Thickness: 0.025mm , Purity: 99.99%, Size: 50x50 mm to 150x150 mm
PB000220	Thickness: 0.025mm , Purity: 97%, Temper: As rolled, Composition: Pb 97%, Sn 1.5%, Sb 1.5%, Size: 250x300 mm
PB000170	Thickness: 0.03mm , Purity: 99.99%, Size: 50x50 mm to 150x150 mm
PB000180	Thickness: 0.04mm , Purity: 99.99%, Size: 100x100 mm to 150x150 mm
PB000240	Thickness: 0.05mm , High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 50x50 mm
PB000260	Thickness: 0.05mm , Purity: 96%, Temper: As rolled, Composition: Pb 96%, Sn 1.5%, Sb 2.5%, Size: 150x150 mm
PB000190	Thickness: 0.05mm , Purity: 99.99%, Size: 150x150 mm
PB000261	Thickness: 0.05mm , Purity: 97%, Temper: As rolled, Composition: Pb 97%, Sn 1.5%, Sb 1.5%, Coil width 300 mm, Size: 150x150 mm to 300x300 mm
PB000280	Thickness: 0.1mm , Purity: 99.95%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
PB000312	Thickness: 0.12mm , Coil width: 25.4mm, Purity: 99.95%, Temper: As rolled, Length: 1 m to 20 m
PB000330	Thickness: 0.125mm , High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PB000311	Thickness: 0.125mm , Purity: 99.95%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
PB000350	Thickness: 0.15mm , Purity: 99.95%, Temper: As rolled, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
PB000360	Thickness: 0.20mm , Purity: 99.95%, Temper: As rolled, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
PB000382	Thickness: 0.25mm , High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PB000381	Thickness: 0.25mm , Purity: 99.95%, Temper: As rolled, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
PB000390	Thickness: 0.40mm , Purity: 99.95%, Temper: As rolled, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

PB000402	Thickness: 0.5mm , High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PB000401	Thickness: 0.5mm , Purity: 99.95%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
PB000404	Thickness: 0.5mm , Purity: 99.5%, Temper: As rolled, Size: 500x500 mm to 1000x1000 mm
PB000400	Thickness: 0.5mm , Purity: 99.95%, Temper: As rolled, Size: 500x500 mm to 1000x1000 mm
PB000403	Thickness: 0.55mm , High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 150x150 mm
PB000406	Thickness: 0.75mm , Temper: As rolled, Size: 300x300 mm
PB000410	Thickness: 1.0mm , Tolerance: 20 %, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PB000412	Thickness: 1.0mm , High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PB000413	Thickness: 1.0mm , Purity: 99.5%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
PB000411	Thickness: 1.0mm , Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PB000415	Thickness: 1.0mm , Purity: 99.5%, Temper: As rolled, Size: 500x500 mm to 1000x1000 mm
PB000420	Thickness: 1.5mm , High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PB000450	Thickness: 2.0mm , Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 90x125 mm
PB000471	Thickness: 2.7mm , Purity: 99.95%, Temper: As rolled, Size: 50x50 mm to 75x100 mm
PB000470	Thickness: 3.0mm , High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PB000472	Thickness: 3.0mm , Purity: 99.95%, Temper: As rolled, Size: 50x50 mm to 500x500 mm
PB000480	Thickness: 6.0mm , High Purity: 99.99+%, Temper: As rolled, Size: 50x50 mm to 100x100 mm
PB000482	Thickness: 6.0mm , Purity: 99.95%, Temper: As rolled, Size: 50x50 mm to 500x500 mm
PB000490	Thickness: 10.0mm , Purity: 99.99+%, Temper: As rolled, Size: 67x105 mm



Sputtering Target

PB009300	Thickness: 3.0mm , High Purity: 99.99+%, Size: 50 mm to 75 mm
PB009600	Thickness: 6.0mm , High Purity: 99.99+%, Size: 50 mm to 75 mm
PB009900	Thickness: 10mm , High Purity: 99.99+%, Size: 50 mm



Wire

PB005106	Diameter: 0.125mm , Purity: 99.5%, Temper: As drawn
PB005111	Diameter: 0.25mm , Purity: 99.95%, Temper: As drawn
PB005125	Diameter: 0.5mm , High Purity: 99.999%, Temper: As drawn
PB005120	Diameter: 0.5mm , High Purity: 99.99+%, Temper: As drawn

Metals

PB005128 Diameter: **0.75mm**, High Purity: 99.99 + %, Temper: As drawn

PB005130 Diameter: **1.0mm**, High Purity: 99.99 + %, Temper: As drawn

PB005140 Diameter: **2.0mm**, High Purity: 99.99 + %, Temper: As drawn

PB005150 Diameter: **3.0mm**, Purity: 99.99%, Temper: As drawn



Rod

PB007910 Diameter: **3.2mm**, Purity: 99.95%, Length: 500 mm to 1000 mm

PB007914 Diameter: **4.9mm**, Purity: 99.95%, Length: 100 mm to 1000 mm

PB007915 Diameter: **5.0mm**, Purity: 99.95%, Length: 100 mm to 1000 mm

PB007920 Diameter: **6.35mm**, Purity: 99.95%, Length: 100 mm to 1000 mm

PB007935 Diameter: **9mm**, Purity: 99.95%, Length: 100 mm to 1000 mm

PB007940 Diameter: **12.7mm**, Purity: 99.95%, Length: 100 mm to 1000 mm

PB007950 Diameter: **19.0mm**, Purity: 99.95%, Length: 100 mm to 1000 mm

PB007960 Diameter: **50mm**, Purity: 99.95%, Length: 50 mm to 200 mm

PB007980 Diameter: **80mm**, Purity: 99.95%, Length: 50 mm to 200 mm

PB007981 Diameter: **85mm**, Purity: 99.95%, Length: 50 mm



Bar

PB008010 Side Length: **20mm**, Side Length (of longer side): 40mm, High Purity: 99.999 + %, Condition: Semicircular cross section, rounded ends, Length: 175 mm



Tube

PB007200 Outside Diameter: **6.78mm**, Wall Thickness: 1.04mm, Inside Diameter: 4.7mm, Purity: 99.9%, Length: 100 mm to 1000 mm



Powder

PB006022 Max. Particle size: **45micron**, Purity: 99.5%

PB006025 Max. Particle size: **150micron**, Purity: 99.5%



Lump

PB006100 Max. Lump size: **5mm**, High Purity: 99.999%, Condition: Shot

PB006120 Max. Lump size: **10mm**, High Purity: 99.99 + %, Condition: Pellets



Granule

PB006300 Nominal Granule Size: **3mm**, Purity: 99.97%



Single Crystal

PB002111 Oriented: **(100)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

PB002110 Oriented: **(100)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.999%, Condition: Unpolished

PB002118 Oriented: **(110)**, Diameter: 12mm, Length: 5mm, Purity: 99.999%

PB002119 Oriented: **(110)**, Diameter: 12mm, Length: 10mm, Purity: 99.999%

PB002121 Oriented: **(110)**, Diameter: 12mm, Length: 25mm, Purity: 99.999%

PB002120 Oriented: **(110)**, Diameter: 12mm, Length: 50mm, Purity: 99.999%

Lithium (Li)



Foil

LI000205 Thickness: **0.12mm**, Purity: 99.9%, Temper: As rolled, Size: 45x200 mm

LI000220 Thickness: **0.20mm**, Purity: 99.9%, Temper: As rolled, Size: 38x200 mm to 38x500 mm

LI000260 Thickness: **0.6mm**, Purity: 99.9%, Temper: As rolled, Size: 25x100 mm to 25x300 mm



Rod

LI007915 Diameter: **12.7mm**, Purity: 99.0%, Length: 165 mm to 200 mm

Lutetium (Lu)



Foil

LU000200 Thickness: **0.025mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

LU000210 Thickness: **0.1mm**, Tolerance: 20 %, Purity: 99%, Temper: As rolled, Size: 25x25 mm

LU000212 Thickness: **0.125mm**, Tolerance: 20 %, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

LU000215 Thickness: **0.15mm**, Tolerance: 20 %, Purity: 99%, Temper: As rolled, Size: 25x25 mm

LU000250 Thickness: **1.0mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm



Powder

LU006010 Max. Particle size: **500micron**, Purity: 99.9%



Lump

LU006100 Max. Lump size: **25mm**, Purity: 99.9%

Magnesium (Mg)



Microfoil

MG004850 Thinness: **1.0µm**, Specific density: 174µg.cm⁻², Purity: 99.9%, Permanent support: 6 micron Aluminum, Size: 25x25 mm to 50x50 mm



Microleaf

MG004990 Thinness: **1.0µm**, Specific density: 174µg.cm⁻², Purity: 99.9%, Support: Removable, Size: 25x25 mm to 50x50 mm



Foil

MG000090 Thickness: **0.002mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm

MG000100 Thickness: **0.003mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm

MG000120 Thickness: **0.005mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm

MG000160 Thickness: **0.01mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

MG000170 Thickness: **0.0125mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

MG000180 Thickness: **0.015mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

Metals

MG000190 Thickness: **0.02mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

MG000240 Thickness: **0.025mm**, Purity: 99.9%, Temper: As rolled, Size: 50x50 mm to 100x100 mm

MG000250 Thickness: **0.05mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

MG000260 Thickness: **0.075mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

MG000270 Thickness: **0.1mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

MG000280 Thickness: **0.125mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

MG000290 Thickness: **0.15mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

MG000300 Thickness: **0.25mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 150x150 mm

MG000320 Thickness: **0.5mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 150x150 mm

MG000340 Thickness: **1.0mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 150x150 mm

MG000341 Thickness: **1.0mm**, Purity: 99.9%, Temper: As rolled, Condition: Polished on both sides, Size: 25x25 mm to 100x100 mm

MG000345 Thickness: **1.5mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 200x200 mm

MG000350 Thickness: **2.0mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 200x200 mm

MG000370 Thickness: **3.0mm**, Purity: 99.9%, Temper: As rolled, Size: 50x50 mm to 200x200 mm

MG000400 Thickness: **6.0mm**, Purity: 99.9%, Temper: As rolled, Size: 50x50 mm to 200x200 mm



Sputtering Target

MG009300 Thickness: **3.0mm**, Purity: 99.9%, Size: 25.4 mm to 75 mm

MG009600 Thickness: **6.0mm**, Purity: 99.9%, Size: 50 mm to 75 mm

MG009807 Thickness: **12.0mm**, Purity: 99.9%, Size: 75 mm



Wire

MG005105 Diameter: **0.125mm**, Purity: 99.9+%, Temper: As drawn

MG005115 Diameter: **0.25mm**, Purity: 99.9+%, Temper: As drawn

MG005120 Diameter: **0.4mm**, Purity: 99.9+%, Temper: As drawn

MG005125 Diameter: **0.5mm**, Purity: 99.9+%, Temper: As drawn

MG005135 Diameter: **1.0mm**, Purity: 99.9+%, Temper: As drawn

MG005140 Diameter: **1.1mm**, Purity: 99.9+%, Temper: As drawn



Rod

MG007910 Diameter: **1.6mm**, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm

MG007915 Diameter: **3.2mm**, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm

MG007918 Diameter: **4.8mm**, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm

MG007920 Diameter: **7.9mm**, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm

MG007922 Diameter: **10mm**, Purity: 99.97%, Temper: As drawn, Length: 50 mm to 200 mm

MG007924 Diameter: **12.7mm**, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm

MG007928 Diameter: **15mm**, Purity: 99.97%, Temper: As drawn, Length: 50 mm to 100 mm

MG007930 Diameter: **25.4mm**, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm

MG007950 Diameter: **50mm**, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 500 mm

MG007960 Diameter: **76mm**, Purity: 99.9%, Temper: As drawn, Length: 150 mm



Powder

MG006021 Max. Particle size: **50micron**, Purity: 99.8%

MG006011 Max. Particle size: **250micron**, Purity: 99.8+%, Condition: Ground



Single Crystal

MG002130 Oriented: **(0001)**, Diameter: 10mm, Length: 6mm, Purity: 99.99%

MG002111 Oriented: **(0001)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

MG002110 Oriented: **(0001)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.999%, Condition: Unpolished

MG002131 Oriented: **(0001)**, Diameter: 10mm, Length: 10mm, Purity: 99.99%

MG002132 Oriented: **(0001)**, Diameter: 10mm, Length: 25mm, Purity: 99.99%

Manganese (Mn)



Foil

MN000050 Thickness: **0.001mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

MN000060 Thickness: **0.002mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

MN000070 Thickness: **0.0025mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

MN000080 Thickness: **0.003mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

MN000090 Thickness: **0.004mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

MN000100 Thickness: **0.005mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

MN000110 Thickness: **0.006mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

MN000120 Thickness: **0.007mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

MN000130 Thickness: **0.008mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

MN000140 Thickness: **0.009mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

MN000150 Thickness: **0.01mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 100x100 mm

Metals

MN000160 Thickness: **0.0125mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 100x100 mm

MN000170 Thickness: **0.015mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 100x100 mm

MN000171 Thickness: **0.016mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

MN000180 Thickness: **0.02mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 100x100 mm

MN000190 Thickness: **0.025mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 100x100 mm

MN000200 Thickness: **0.05mm**, Purity: 98.7%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

MN000250 Thickness: **1mm**, Purity: 99.95%, Condition: Cast, Size: 25x25 mm

MN000301 Thickness: **2mm**, Purity: 99.95%, Condition: Hot-pressed, Size: 25x25 mm

MN000300 Thickness: **2mm**, Purity: 99.95%, Condition: Hot-pressed, Size: 50x50 mm



Sputtering Target

MN009300 Thickness: **3.0mm**, Purity: 99.95%, Condition: Hot-pressed, Size: 20 mm to 75 mm

MN009600 Thickness: **6.0mm**, Purity: 99.95%, Condition: Hot-pressed, Size: 25 mm to 75 mm



Rod

MN007905 Diameter: **2.0mm**, Purity: 99.5%, Condition: Cast, Length: 25 mm to 52 mm

MN007910 Diameter: **4.0mm**, Purity: 99.5%, Condition: Cast, Length: 10 mm to 50 mm

MN007920 Diameter: **6.35mm**, Purity: 99.5%, Condition: Cast, Length: 50 mm



Powder

MN006040 Max. Particle size: **15micron**, Mean Particle size: 2micron, Purity: 99.5%

MN006030 Max. Particle size: **20micron**, Purity: 99.5%

MN006020 Max. Particle size: **45micron**, Purity: 99.5%

MN006012 Max. Particle size: **300micron**, Purity: 99.5%



Flake

MN006201 Max. Flake size: **25mm**, Purity: 99.95%

Molybdenum (Mo)



Microfoil

MO004500 Thickness: **0.1µm**, Specific density: 92.4µg.cm⁻², Purity: 99.9%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm

MO004850 Thickness: **1.0µm**, Specific density: 1022µg.cm⁻², Purity: 99.9%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 50 mm



Foil

MO000080 Thickness: **0.001mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm

MO000090 Thickness: **0.002mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm

MO000100 Thickness: **0.0025mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm

MO000110 Thickness: **0.003mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm

MO000120 Thickness: **0.004mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

MO000130 Thickness: **0.005mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

MO000140 Thickness: **0.006mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

MO000150 Thickness: **0.007mm**, Purity: 99.9%, Size: 50x50 mm to 100x100 mm

MO000203 Thickness: **0.008mm**, Purity: 99.9%, Coil width 100 mm, Size: 25x25 mm to 150x150 mm

MO000170 Thickness: **0.009mm**, Purity: 99.9%, Size: 50x50 mm to 100x100 mm

MO000201 Thickness: **0.01mm**, Purity: 99.9%, Coil width 100 mm, Size: 25x25 mm to 100x100 mm

MO000200 Thickness: **0.01mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 150x150 mm

MO000205 Thickness: **0.0125mm**, Purity: 99.9%, Coil width 100 mm, Size: 25x25 mm to 267x300 mm

MO000211 Thickness: **0.015mm**, Purity: 99.9%, Temper: As rolled, Coil width 130 mm, Size: 30x30 mm to 130x130 mm

MO000210 Thickness: **0.015mm**, Purity: 99.9%, Temper: Annealed, Coil width 200 mm, Size: 200x200 mm

MO000215 Thickness: **0.020mm**, Purity: 99.9%, Temper: As rolled, Coil width 200 mm, Size: 200x200 mm

MO000220 Thickness: **0.025mm**, Purity: 99.9%, Temper: Annealed, Coil width 229 mm, Size: 200x200 mm

MO000240 Thickness: **0.03mm**, Purity: 99.9%, Temper: Annealed, Size: 200x200 mm to 200x500 mm

MO000230 Thickness: **0.04mm**, Coil width: 0.7mm, Purity: 99.9%, Temper: Annealed, Length: 0.5 m to 20 m

MO000250 Thickness: **0.05mm**, Purity: 99.9%, Temper: Annealed, Coil width 300 mm, Size: 150x150 mm to 300x300 mm

MO000270 Thickness: **0.0712mm**, Purity: 99.9%, Temper: Annealed, Size: 29x100 mm to 29x600 mm

MO000280 Thickness: **0.075mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 300x300 mm

MO000310 Thickness: **0.1mm**, Purity: 99.9%, Temper: Annealed, Coil width 250 mm, Size: 25x25 mm to 250x300 mm

MO000330 Thickness: **0.125mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 300x300 mm

MO000350 Thickness: **0.15mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 300x300 mm

MO000360 Thickness: **0.20mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 300x300 mm

MO000370 Thickness: **0.25mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 300x300 mm

MO000374 Thickness: **0.25mm**, Purity: 99.9%, Temper: Annealed, Condition: Polished on both sides, Size: 50x50 mm to 100x100 mm

MO000371 Thickness: **0.25mm**, Purity: 99.9%, Temper: Annealed, Size: 609x1000 mm

MO000375 Thickness: **0.30mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 300x300 mm

MO000378 Thickness: **0.40mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 300x300 mm

Metals

MO000383 Thickness: **0.5mm**, Purity: 99.9%, Condition: Polished on both sides, Size: 50x50 mm to 100x100 mm

MO000380 Thickness: **0.5mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 300x300 mm

MO000381 Thickness: **0.5mm**, Purity: 99.9%, Temper: Annealed, Size: 600x1000 mm

MO000385 Thickness: **0.75mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 200x200 mm

MO000390 Thickness: **1.0mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 150x150 mm

MO000392 Thickness: **1.0mm**, Purity: 99.98%, Temper: Annealed, Size: 50x50 mm to 150x150 mm

MO000391 Thickness: **1.0mm**, Purity: 99.9%, Temper: Annealed, Size: 300x300 mm to 600x1000 mm

MO000410 Thickness: **1.5mm**, Purity: 99.9%, Temper: Annealed, Size: 50x50 mm to 100x100 mm

MO000411 Thickness: **1.5mm**, Purity: 99.9%, Temper: Annealed, Size: 300x300 mm

MO000419 Thickness: **2.0mm**, Purity: 99.9%, Temper: Annealed, Size: 20x20 mm

MO000420 Thickness: **2.0mm**, Purity: 99.9%, Temper: Annealed, Size: 50x50 mm to 150x150 mm

MO000421 Thickness: **2.0mm**, Purity: 99.9%, Temper: Annealed, Size: 300x300 mm

MO000450 Thickness: **3.0mm**, Purity: 99.9%, Temper: Annealed, Size: 100x100 mm to 300x300 mm

MO000460 Thickness: **4.0mm**, Purity: 99.9%, Temper: Annealed, Size: 300x300 mm

MO000480 Thickness: **6.0mm**, Purity: 99.9%, Temper: Annealed, Size: 100x100 mm to 430x610 mm

MO000485 Thickness: **10mm**, Purity: 99.9%, Temper: Annealed, Size: 50x50 mm to 100x100 mm

MO000490 Thickness: **12.7mm**, Purity: 99.9%, Temper: Annealed, Size: 75x150 mm to 75x300 mm



Sheet

MO003025 Thickness: **25mm**, Purity: 99.9%, Condition: Machined, Size: 50x50 mm



Sputtering Target

MO009150 Thickness: **1.5mm**, Purity: 99.98%, Size: 50.8 mm to 76.2 mm

MO009201 Thickness: **2.0mm**, Purity: 99.9%, Size: 25 mm

MO009200 Thickness: **2.0mm**, Purity: 99.98%, Size: 50.8 mm to 76.2 mm

MO009300 Thickness: **3.0mm**, Purity: 99.9%, Size: 25 mm to 75 mm

MO009400 Thickness: **4.0mm**, Purity: 99.98%, Size: 50.8 mm

MO009600 Thickness: **6.0mm**, Purity: 99.9%, Size: 50 mm to 75 mm

MO009800 Thickness: **14.0mm**, Purity: 99.9%, Size: 22 mm



Mesh

MO008720 Nominal Aperture: **0.44mm**, Wire diameter: 0.07mm, Wires/inch: 50, Open area: 67%, Type: Plain weave mesh, Size: 50x50 mm to 150x150 mm

MO008710 Nominal Aperture: **0.8mm**, Wire diameter: 0.18mm, Wires/inch: 26, Open area: 67%, Type: Plain weave mesh, Size: 50x50 mm to 150x150 mm



Wire

MO005105 Diameter: **0.01mm**, Purity: 99.8 + %, Temper: Hard

MO005110 Diameter: **0.013mm**, Purity: 99.8 + %, Temper: Hard

MO005215 Diameter: **0.015mm**, Purity: 99.95%, Condition: Gold plated wire

MO005120 Diameter: **0.025mm**, Purity: 99.95%, Temper: Hard

MO005220 Diameter: **0.025mm**, Purity: 99.95%, Condition: Gold plated wire

MO005121 Diameter: **0.03mm**, Purity: 99.95%, Temper: Hard

MO005122 Diameter: **0.035mm**, Purity: 99.95%, Temper: As drawn

MO005125 Diameter: **0.05mm**, Purity: 99.95%, Temper: Annealed

MO005225 Diameter: **0.05mm**, Purity: 99.95%, Condition: Gold plated wire

MO005128 Diameter: **0.075mm**, Purity: 99.95%, Temper: Annealed

MO005129 Diameter: **0.100mm**, Purity: 99.95%, Temper: Annealed

MO005130 Diameter: **0.125mm**, Purity: 99.95%, Temper: Annealed

MO005132 Diameter: **0.150mm**, Purity: 99.95%, Temper: As drawn

MO005133 Diameter: **0.170mm**, Purity: 99.95%, Temper: As drawn

MO005135 Diameter: **0.2mm**, Purity: 99.95%, Temper: As drawn

MO005137 Diameter: **0.220mm**, Purity: 99.95%, Temper: Annealed

MO005320 Diameter: **0.25mm**, Purity: 99.95%, Condition: Straight wire

MO005140 Diameter: **0.25mm**, Purity: 99.95%, Temper: Annealed

MO005141 Diameter: **0.25mm**, Purity: 99.95%, Temper: As drawn

MO005330 Diameter: **0.28mm**, Purity: 99.8 + %, Condition: Straight wire, Temper: Annealed

MO005142 Diameter: **0.30mm**, Purity: 99.95%, Temper: Annealed

MO005340 Diameter: **0.5mm**, Purity: 99.95%, Condition: Straight wire

MO005150 Diameter: **0.5mm**, Purity: 99.95%, Temper: Annealed

MO005151 Diameter: **0.635mm**, Purity: 99.95%, Temper: Annealed

MO005152 Diameter: **0.7mm**, Purity: 99.95%, Temper: Annealed

MO005153 Diameter: **0.75mm**, Purity: 99.95%, Temper: Annealed

MO005155 Diameter: **0.8mm**, Purity: 99.95%, Temper: Annealed

MO005350 Diameter: **1.0mm**, Purity: 99.95%, Condition: Straight wire

MO005160 Diameter: **1.0mm**, Purity: 99.95%, Temper: Annealed

MO005165 Diameter: **1.25mm**, Purity: 99.95%, Temper: Annealed

Metals



Insulated Wire

MO005825 Conductor diameter: **0.125mm**, Insulation thickness: 0.012mm, Purity: 99.95%, Insulation: Polyimide



Rod

MO007908 Diameter: **1.25mm**, Purity: 99.9%, Condition: Centerless ground, Length: 100 mm to 1000 mm

MO007902 Diameter: **1.5mm**, Purity: 99.9%, Condition: Centerless ground, Length: 100 mm to 1000 mm

MO007903 Diameter: **2.0mm**, Purity: 99.9%, Condition: Centerless ground, Length: 100 mm to 1000 mm

MO007901 Diameter: **3.0mm**, Purity: 99.9%, Condition: Centerless ground, Length: 100 mm to 1000 mm

MO007907 Diameter: **3.5mm**, Purity: 99.9%, Condition: Centerless ground, Length: 750 mm

MO007904 Diameter: **4.0mm**, Purity: 99.9%, Condition: Centerless ground, Length: 100 mm to 1000 mm

MO007905 Diameter: **5.0mm**, Purity: 99.9%, Condition: Centerless ground, Length: 100 mm to 1000 mm

MO007906 Diameter: **5.0mm**, Purity: 99.98%, Length: 50 mm to 150 mm

MO007900 Diameter: **6.0mm**, Purity: 99.9%, Condition: Centerless ground, Length: 100 mm to 1000 mm

MO007910 Diameter: **8.0mm**, Purity: 99.9%, Condition: Centerless ground, Length: 100 mm to 1000 mm

MO007920 Diameter: **10.0mm**, Purity: 99.9%, Condition: Centerless ground, Length: 100 mm to 1000 mm

MO007922 Diameter: **12mm**, Purity: 99.9%, Condition: Centerless ground, Length: 100 mm to 1000 mm

MO007925 Diameter: **15.0mm**, Purity: 99.9%, Condition: Forged, Length: 100 mm

MO007926 Diameter: **15.0mm**, Purity: 99.9%, Condition: Centerless ground, Length: 50 mm to 500 mm

MO007931 Diameter: **20.0mm**, Purity: 99.9%, Condition: Centerless ground, Length: 50 mm to 200 mm

MO007945 Diameter: **25mm**, Purity: 99.9%, Condition: Centerless ground, Length: 25 mm to 200 mm

MO007950 Diameter: **30mm**, Purity: 99.9%, Condition: Centerless ground, Length: 50 mm to 1000 mm

MO007960 Diameter: **50mm**, Purity: 99.9%, Condition: Centerless ground, Length: 25 mm to 500 mm

MO007975 Diameter: **75mm**, Purity: 99.9%, Condition: Centerless ground, Length: 100 mm

MO007995 Diameter: **100mm**, Purity: 99.9%, Condition: Centerless ground, Length: 100 mm



Tube

MO007052 Outside Diameter: **0.5mm**, Wall Thickness: 0.06mm, Inside Diameter: 0.38mm, Purity: 99.9%, Length: 100 mm to 300 mm

MO007063 Outside Diameter: **1.0mm**, Wall Thickness: 0.15mm, Inside Diameter: 0.7mm, Purity: 99.9%, Length: 100 mm to 1000 mm

MO007200 Outside Diameter: **1.5mm**, Wall Thickness: 0.275mm, Inside Diameter: 0.95mm, Purity: 99.9%, Length: 100 mm to 1000 mm

MO007301 Outside Diameter: **2.0mm**, Wall Thickness: 0.4mm, Inside Diameter: 1.2mm, Purity: 99.9%, Length: 100 mm to 347 mm

MO007302 Outside Diameter: **2.0mm**, Wall Thickness: 0.35mm, Inside Diameter: 1.3mm, Purity: 99.9%, Length: 100 mm to 1000 mm

MO007300 Outside Diameter: **2.0mm**, Wall Thickness: 0.3mm, Inside Diameter: 1.4mm, Purity: 99.9%, Length: 100 mm to 1000 mm

MO007330 Outside Diameter: **3.0mm**, Wall Thickness: 0.55mm, Inside Diameter: 1.9mm, Purity: 99.9%, Length: 50 mm to 200 mm

MO007350 Outside Diameter: **3.15mm**, Wall Thickness: 0.38mm, Inside Diameter: 2.39mm, Purity: 99.9%, Length: 50 mm to 1000 mm

MO007360 Outside Diameter: **4mm**, Wall Thickness: 0.43mm, Inside Diameter: 3.14mm, Purity: 99.9%, Length: 50 mm to 200 mm

MO007375 Outside Diameter: **5.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 4mm, Purity: 99.9%, Length: 50 mm to 200 mm

MO007380 Outside Diameter: **5.03mm**, Wall Thickness: 0.19mm, Inside Diameter: 4.65mm, Purity: 99.9%, Length: 50 mm to 200 mm

MO007413 Outside Diameter: **6.0mm**, Wall Thickness: 0.8mm, Inside Diameter: 4.4mm, Purity: 99.9%, Length: 50 mm to 500 mm

MO007401 Outside Diameter: **6.0mm**, Wall Thickness: 0.20mm, Tolerance: 20 %, Inside Diameter: 5.6mm, Purity: 99.9%, Length: 100 mm to 1000 mm

MO007412 Outside Diameter: **6.4mm**, Wall Thickness: 0.9mm, Inside Diameter: 4.6mm, Purity: 99.9%, Length: 50 mm to 96 mm



Bolt

MO00BO30 Size: **M3 x 10mm**, Head Style: Hexagonal, Pitch: 0.5mm, Standard: ISO 4017:2011, Quantity: 10 pcs

MO00BO35 Size: **M3 x 30mm**, Head Style: Hexagonal, Pitch: 0.5mm, Standard: ISO 4017:2011, Quantity: 10 pcs

MO00BO38 Size: **M3 x 50mm**, Head Style: Hexagonal, Pitch: 0.5mm, Standard: ISO 4017:2011, Quantity: 10 pcs

MO00BO40 Size: **M4 x 10mm**, Head Style: Hexagonal, Pitch: 0.7mm, Standard: ISO 4017:2011, Quantity: 10 pcs

MO00BO45 Size: **M4 x 30mm**, Head Style: Hexagonal, Pitch: 0.7mm, Standard: ISO 4017:2011, Quantity: 10 pcs

MO00BO48 Size: **M4 x 50mm**, Head Style: Hexagonal, Pitch: 0.7mm, Standard: ISO 4017:2011, Quantity: 10 pcs

MO00BO50 Size: **M5 x 10mm**, Head Style: Hexagonal, Pitch: 0.8mm, Standard: ISO 4017:2011, Quantity: 10 pcs

MO00BO55 Size: **M5 x 30mm**, Head Style: Hexagonal, Pitch: 0.8mm, Standard: ISO 4017:2011, Quantity: 10 pcs

MO00BO58 Size: **M5 x 50mm**, Head Style: Hexagonal, Pitch: 0.8mm, Standard: ISO 4017:2011, Quantity: 10 pcs

MO00BO60 Size: **M6 x 10mm**, Head Style: Hexagonal, Pitch: 1.0mm, Standard: ISO 4017:2011, Quantity: 10 pcs

MO00BO65 Size: **M6 x 30mm**, Head Style: Hexagonal, Pitch: 1.0mm, Standard: ISO 4017:2011, Quantity: 10 pcs

MO00BO68 Size: **M6 x 50mm**, Head Style: Hexagonal, Pitch: 1.0mm, Standard: ISO 4017:2011, Quantity: 10 pcs

Metals



Nut

MO00NU03 Size: **M3**, Style: Hexagonal, Pitch: 0.5mm, Standard: ISO 4032:2012, Quantity: 10 pcs

MO00NU04 Size: **M4**, Style: Hexagonal, Pitch: 0.7mm, Standard: ISO 4032:2012, Quantity: 10 pcs

MO00NU05 Size: **M5**, Style: Hexagonal, Pitch: 0.8mm, Standard: ISO 4032:2012, Quantity: 10 pcs

MO00NU06 Size: **M6**, Style: Hexagonal, Pitch: 1.0mm, Standard: ISO 4032:2012, Quantity: 10 pcs



Washer

MO00WA03

Size: **M3**, Outside Diameter: 6.64 - 7.00mm, Inside Diameter: 3.20 - 3.38mm, Thickness: 0.45 - 0.55mm, Standard: ISO 7089:2000, Quantity: 10 pcs

MO00WA04

Size: **M4**, Outside Diameter: 8.64 - 9.00mm, Inside Diameter: 4.30 - 4.48mm, Thickness: 0.70 - 0.90mm, Standard: ISO 7089:2000, Quantity: 10 pcs

MO00WA05

Size: **M5**, Outside Diameter: 9.64 - 10.00mm, Inside Diameter: 5.30 - 5.48mm, Thickness: 0.90 - 1.10mm, Standard: ISO 7089:2000, Quantity: 10 pcs

MO00WA06

Size: **M6**, Outside Diameter: 11.57 - 12.00mm, Inside Diameter: 6.40 - 6.62mm, Thickness: 1.40 - 1.80mm, Standard: ISO 7089:2000, Quantity: 10 pcs



Crucible

MO008620 Shape: **Cylindrical**, Outside Diameter: 33mm, Inside Diameter: 31mm, Height: 29mm, Capacity: 20ml, Quantity: : 1 pcs

MO008625 Shape: **Cylindrical**, Outside Diameter: 47mm, Inside Diameter: 45mm, Height: 22mm, Capacity: 25ml, Quantity: : 1 pcs

MO008635 Shape: **Cylindrical**, Outside Diameter: 47mm, Inside Diameter: 45mm, Height: 29mm, Capacity: 35ml, Quantity: : 1 pcs

MO008645 Shape: **Cylindrical**, Outside Diameter: 47mm, Inside Diameter: 45mm, Height: 34mm, Capacity: 45ml, Quantity: : 1 pcs

MO008655 Shape: **Cylindrical**, Outside Diameter: 47mm, Inside Diameter: 45mm, Height: 41mm, Capacity: 55ml, Quantity: : 1 pcs

MO008680 Shape: **Cylindrical**, Outside Diameter: 59mm, Inside Diameter: 57mm, Height: 45mm, Capacity: 100ml, Quantity: : 1 pcs



Powder

MO006021 Mean Particle size (FSSS): **<5micron**, Purity: 99.9+ %

MO006011 Max. Particle size: **350micron**, Purity: 99.9+ %



Lump

MO006100 Max. Lump size: **10mm**, Purity: 99.9%, Condition: Pellets



Single Crystal

MO002111 Oriented: **(100)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

MO002110 Oriented: **(100)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.999%, Condition: Unpolished

MO002129 Oriented: **(100)**, Diameter: 12mm, Length: 10mm, Purity: 99.999%

MO002130 Oriented: **(100)**, Diameter: 12mm, Length: 25mm, Purity: 99.999%

MO002131 Oriented: **(100)**, Diameter: 12mm, Length: 50mm, Purity: 99.999%

MO002059 Oriented: **(110)**, Diameter: 6mm, Length: 10mm, Purity: 99.999%

MO002119 Oriented: **(110)**, Diameter: 12mm, Length: 10mm, Purity: 99.999%

MO002060 Oriented: **(110)**, Diameter: 6mm, Length: 25mm, Purity: 99.999%

MO002120 Oriented: **(110)**, Diameter: 12mm, Length: 25mm, Purity: 99.999%

MO002061 Oriented: **(110)**, Diameter: 6mm, Length: 50mm, Purity: 99.999%

MO002121 Oriented: **(110)**, Diameter: 12mm, Length: 50mm, Purity: 99.999%

MO002122 Oriented: **(110)**, Diameter: 12mm, Length: 100mm, Purity: 99.999%

MO002123 Oriented: **(111)**, Diameter: 14mm, Length: 23mm, Purity: 99.999%

MO002124 Oriented: **(111)**, Diameter: 12mm, Length: 24mm, Purity: 99.999%

Neodymium (Nd)



Foil

ND000205 Thickness: **0.005mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm

ND000200 Thickness: **0.025mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

ND000210 Thickness: **0.1mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

ND000250 Thickness: **0.5mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 100x100 mm



Sputtering Target

ND009100 Thickness: **1.0mm**, Purity: 99%, Size: 50 mm to 75 mm



Wire

ND005110 Diameter: **1.0mm**, Purity: 99.9%, Temper: Hard



Rod

ND007902 Diameter: **2.0mm**, Purity: 99%, Length: 50 mm

ND007910 Diameter: **6.35mm**, Purity: 99%, Condition: Cast, Length: 50 mm to 100 mm

ND007940 Diameter: **12.5mm**, Purity: 99%, Condition: Cast, Length: 50 mm to 100 mm



Powder

ND006010 Max. Particle size: **250micron**, Purity: 99.9%



Lump

ND006100 Max. Lump size: **25mm**, Purity: 99%, Packing Note: Packed in Oil

Nickel (Ni)



Microfoil

NI004500 Thinness: **0.1µm**, Specific density: 93.4µg.cm⁻², Purity: 99.99+ %, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm

Metals

NI004600 Thinness: **0.25µm**, Specific density: 222.55µg.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm

NI004700 Thinness: **0.5µm**, Specific density: 438.8µg.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm

NI004850 Thinness: **1.0µm**, Specific density: 895.8µg.cm⁻², Purity: 99.99+%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm



Foil

NI000080 Thickness: **0.00025mm**, Purity: 99.95%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

NI000090 Thickness: **0.0005mm**, Purity: 99.95%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

NI000100 Thickness: **0.00075mm**, Purity: 99.95%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

NI000110 Thickness: **0.001mm**, Purity: 99.95%, Size: 25x25 mm to 50x50 mm

NI000120 Thickness: **0.002mm**, Purity: 99.95%, Size: 25x25 mm to 100x100 mm

NI000210 Thickness: **0.0025mm**, Purity: 99.95%, Coil width 148 mm, Size: 25x25 mm to 148x300 mm

NI000215 Thickness: **0.003mm**, Purity: 99.95%, Coil width 148 mm, Size: 25x25 mm to 148x300 mm

NI000222 Thickness: **0.004mm**, Purity: 99.98%, Temper: Hard, Coil width 90 mm, Size: 45x45 mm to 90x90 mm

NI000221 Thickness: **0.004mm**, Purity: 99.0%, Temper: Hard, Coil width 108 mm, Size: 25x25 mm to 100x100 mm

NI000220 Thickness: **0.004mm**, Purity: 99.95%, Size: 25x25 mm to 150x150 mm

NI000224 Thickness: **0.005mm**, Purity: 99.9%, Temper: As rolled, Coil width 98 mm, Size: 25x25 mm to 98x100 mm

NI000225 Thickness: **0.005mm**, Purity: 99.95%, Size: 25x25 mm to 50x50 mm

NI000170 Thickness: **0.007mm**, Purity: 99.95%, Size: 50x50 mm to 150x150 mm

NI000235 Thickness: **0.0075mm**, Purity: 99.95%, Coil width 148 mm, Size: 100x100 mm to 148x150 mm

NI000261 Thickness: **0.0075mm**, Purity: 99.9%, Coil width 305 mm, Size: 300x300 mm

NI000180 Thickness: **0.008mm**, Purity: 99.95%, Size: 100x100 mm to 150x150 mm

NI000190 Thickness: **0.009mm**, Purity: 99.95%, Size: 100x100 mm to 150x150 mm

NI000270 Thickness: **0.01mm**, Purity: 99.95%, Coil width 305 mm, Size: 100x100 mm to 300x300 mm

NI000313 Thickness: **0.0125mm**, High Purity: 99.99+%, Size: 25x25 mm to 100x100 mm

NI000301 Thickness: **0.0125mm**, Purity: 99.0%, Temper: Annealed, Coil width 300 mm, Size: 100x100 mm to 300x300 mm

NI000300 Thickness: **0.0125mm**, Purity: 99.9%, Coil width 305 mm, Size: 100x100 mm to 300x300 mm

NI000317 Thickness: **0.015mm**, Purity: 99.9%, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

NI000320 Thickness: **0.02mm**, Purity: 99.9%, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

NI000330 Thickness: **0.025mm**, High Purity: 99.99+%, Temper: As rolled, Size: 100x200 mm

NI000360 Thickness: **0.025mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

NI000345 Thickness: **0.025mm**, Purity: 99.0%, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

NI000340 Thickness: **0.025mm**, Purity: 99.9%, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

NI000346 Thickness: **0.025mm**, Coil width: 600mm, Purity: 99.0%, Temper: As rolled, Length: 0.5 m to 2 m

NI000370 Thickness: **0.03mm**, Purity: 99.9%, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

NI000380 Thickness: **0.038mm**, Purity: 99.9%, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

NI000452 Thickness: **0.05mm**, Coil width: 2mm, Purity: 99.0%, Temper: Annealed, Length: 1 m to 20 m

NI000455 Thickness: **0.05mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

NI000391 Thickness: **0.05mm**, Purity: 99.98%, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

NI000460 Thickness: **0.05mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

NI000392 Thickness: **0.05mm**, Purity: 99.98%, Temper: As rolled, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

NI000450 Thickness: **0.05mm**, Purity: 99.0%, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

NI000400 Thickness: **0.05mm**, Purity: 99.9%, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

NI000470 Thickness: **0.075mm**, Purity: 99.0%, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 150x150 mm

NI000471 Thickness: **0.075mm**, Purity: 99.98%, Temper: As rolled, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

NI000483 Thickness: **0.10mm**, Coil width: 1mm, Purity: 99.0%, Temper: Annealed, Length: 0.5 m to 10 m

NI000480 Thickness: **0.1mm**, Purity: 99.0%, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

NI000503 Thickness: **0.125mm**, Coil width: 1mm, Purity: 99.0%, Temper: As rolled, Length: 1 m to 20 m

NI000504 Thickness: **0.125mm**, Coil width: 50mm, Purity: 99.0%, Temper: Annealed, Length: 0.5 m to 10 m

NI000525 Thickness: **0.125mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

NI000531 Thickness: **0.125mm**, Purity: 99.98%, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

NI000520 Thickness: **0.125mm**, High Purity: 99.99+%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

NI000500 Thickness: **0.125mm**, Purity: 99.0%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

Metals

NI000501	Thickness: 0.125mm , Purity: 99.0%, Temper: Half hard, Coil width 470 mm, Size: 25x25 mm to 300x300 mm
NI000541	Thickness: 0.15mm , Coil width: 12mm, Purity: 99.0%, Temper: Annealed, Length: 0.5 m to 10 m
NI000540	Thickness: 0.15mm , Purity: 99.0%, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 200x300 mm
NI000552	Thickness: 0.20mm , Coil width: 1mm, Purity: 99.0%, Temper: Annealed, Length: 1 m to 10 m
NI000550	Thickness: 0.20mm , Purity: 99.0%, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 150x150 mm
NI000560	Thickness: 0.25mm , High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
NI000581	Thickness: 0.25mm , Purity: 99.98%, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x300 mm
NI000565	Thickness: 0.25mm , High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 150x150 mm
NI000570	Thickness: 0.25mm , Purity: 99.0%, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 200x300 mm
NI000563	Thickness: 0.3mm , Coil width: 1mm, Purity: 99.0%, Temper: As rolled, Length: 1 m to 10 m
NI000564	Thickness: 0.3mm , Coil width: 1mm, Purity: 99.0%, Temper: Annealed, Length: 1 m to 10 m
NI000568	Thickness: 0.3mm , High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 150x150 mm
NI000562	Thickness: 0.3mm , Purity: 99.0%, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 150x150 mm
NI000569	Thickness: 0.30mm , Purity: 99.98%, Temper: As rolled, Coil width 200 mm, Size: 25x25 mm to 150x150 mm
NI000590	Thickness: 0.5mm , Purity: 99.98%, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x300 mm
NI000600	Thickness: 0.5mm , High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 150x150 mm
NI000605	Thickness: 0.5mm , High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
NI000585	Thickness: 0.50mm , Purity: 99.0%, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 200x200 mm
NI000586	Thickness: 0.50mm , Purity: 99.0%, Temper: Annealed, Condition: Flattened, Size: 50x50 mm to 200x200 mm
NI000587	Thickness: 0.6mm , Purity: 99.0%, Temper: Annealed, Condition: Flattened, Size: 50x50 mm to 200x200 mm
NI000588	Thickness: 0.7mm , Purity: 99.0%, Temper: Annealed, Condition: Flattened, Size: 50x50 mm to 200x200 mm
NI000589	Thickness: 0.8mm , Purity: 99.0%, Temper: Annealed, Condition: Flattened, Size: 50x50 mm to 200x200 mm
NI000620	Thickness: 1.0mm , High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

NI000610	Thickness: 1.0mm , Purity: 99.98%, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x300 mm
NI000615	Thickness: 1.0mm , High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
NI000612	Thickness: 1.0mm , Purity: 99.0%, Temper: Annealed, Condition: Flattened, Size: 50x50 mm to 200x200 mm
NI000608	Thickness: 1.0mm , Purity: 99.0%, Temper: Annealed, Coil width 302 mm, Size: 25x25 mm to 300x300 mm
NI000621	Thickness: 1.6mm , Purity: 99.0%, Size: 50x50 mm to 300x300 mm
NI000626	Thickness: 1.6mm , Purity: 99.0%, Condition: Mirror polished on both sides, Size: 50x50 mm to 300x300 mm
NI000622	Thickness: 2.0mm , High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
NI000623	Thickness: 2.0mm , Purity: 99.0%, Temper: Annealed, Size: 25x25 mm to 300x300 mm
NI000624	Thickness: 3.2mm , High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
NI000625	Thickness: 6.35mm , High Purity: 99.99 + %, Temper: As rolled, Size: 50x50 mm to 200x200 mm



Sputtering Target

NI009300	Thickness: 3.2mm , High Purity: 99.99 + %, Size: 50 mm to 75 mm
NI009501	Thickness: 5mm , High Purity: 99.99 + %, Size: 31 mm
NI009600	Thickness: 6.35mm , High Purity: 99.99 + %, Size: 50 mm to 75 mm



Foam

NI003840	Thickness: 0.9mm , Bulk density: 0.62g.cm ⁻³ , Porosity: 93%, Pores/cm: 20, Purity: 99.5%, Size: 75x75 mm to 300x300 mm
NI003852	Thickness: 1.6mm , Bulk density: 0.45g.cm ⁻³ , Porosity: 95%, Pores/cm: 20, Purity: 99.5%, Size: 45x150 mm to 300x300 mm
NI003860	Thickness: 6mm , Bulk density: 0.45g.cm ⁻³ , Porosity: 95%, Pores/cm: 4, Purity: 99.5%, Size: 150x150 mm
NI003862	Thickness: 6mm , Bulk density: 0.45g.cm ⁻³ , Porosity: 95%, Pores/cm: 8, Purity: 99.5%, Size: 150x150 mm
NI003864	Thickness: 6mm , Bulk density: 0.45g.cm ⁻³ , Porosity: 95%, Pores/cm: 16, Purity: 99.5%, Size: 150x150 mm



Mesh

NI008705	Nominal Aperture: 0.04mm , Thickness: 0.004mm, Wire diameter: 0.011mm, Wires/inch: 500, Open area: 60%, Purity: 99.9%, Type: Electro-formed mesh, Size: 30x30 mm to 130x130 mm
NI008711	Nominal Aperture: 0.34mm , Thickness: 0.025mm, Wire diameter: 0.041mm, Wires/inch: 70, Open area: 83%, Purity: 99.9%, Type: Electro-formed mesh, Size: 30x30 mm to 260x260 mm

Metals

NI008720 Nominal Aperture: **0.43mm**, Thickness: 0.004mm, Wire diameter: 0.067mm, Wires/inch: 51, Open area: 75%, Purity: 99.9%, Type: Electro-formed mesh, Size: 30x30 mm to 240x240 mm

NI008750 Nominal Aperture: **0.73mm**, Wire diameter: 0.25mm, Wires/inch: 26x26, Open area: 55%, Purity: 99.0%, Type: Plain weave mesh, Size: 100x250 mm



Wire

NI005100 Diameter: **0.01mm**, Purity: 99.98%, Temper: As drawn

NI005102 Diameter: **0.0125mm**, Purity: 99.98%, Temper: Stress relieved

NI005105 Diameter: **0.025mm**, Purity: 99.6 + %, Temper: As drawn

NI005106 Diameter: **0.025mm**, Purity: 99.98%, Temper: As drawn

NI005115 Diameter: **0.05mm**, High Purity: 99.99 + %, Temper: As drawn

NI005110 Diameter: **0.05mm**, Purity: 99.0%, Temper: As drawn

NI005120 Diameter: **0.125mm**, Purity: 99.0%, Temper: As drawn

NI005121 Diameter: **0.125mm**, Purity: 99.98%, Temper: Hard

NI005132 Diameter: **0.125mm**, Purity: 99.98%, Temper: Annealed

NI005125 Diameter: **0.15mm**, Purity: 99.0%, Temper: As drawn

NI005134 Diameter: **0.177mm**, Purity: 99.0%, Temper: Annealed

NI005305 Diameter: **0.25mm**, Purity: 99.98%, Temper: Hard, Condition: Straight wire

NI005130 Diameter: **0.25mm**, High Purity: 99.99 + %, Temper: As drawn

NI005141 Diameter: **0.25mm**, Purity: 99.0%, Temper: Annealed

NI005140 Diameter: **0.25mm**, Purity: 99.0%, Temper: As drawn

NI005131 Diameter: **0.25mm**, Purity: 99.98%, Temper: Hard

NI005143 Diameter: **0.3mm**, Purity: 99.98%, Temper: Hard

NI005146 Diameter: **0.4mm**, High Purity: 99.99 + %, Temper: As drawn

NI005145 Diameter: **0.4mm**, Purity: 99.0%, Temper: As drawn

NI005310 Diameter: **0.5mm**, Purity: 99.98%, Temper: Hard, Condition: Straight wire

NI005155 Diameter: **0.5mm**, High Purity: 99.99 + %, Temper: As drawn

NI005151 Diameter: **0.5mm**, Purity: 99.0%, Temper: Annealed

NI005150 Diameter: **0.5mm**, Purity: 99.0%, Temper: As drawn

NI005156 Diameter: **0.5mm**, Purity: 99.98%, Temper: Hard

NI005159 Diameter: **0.75mm**, High Purity: 99.99 + %, Temper: As drawn

NI005158 Diameter: **0.75mm**, Purity: 99.0%, Temper: As drawn

NI005320 Diameter: **1.0mm**, Purity: 99.0%, Condition: Straight wire, Temper: Annealed

NI005170 Diameter: **1.0mm**, High Purity: 99.99 + %, Temper: As drawn

NI005160 Diameter: **1.0mm**, Purity: 99.0%, Temper: As drawn

NI005161 Diameter: **1.0mm**, Purity: 99.0%, Temper: Annealed

NI005171 Diameter: **1.0mm**, Purity: 99.98%, Temper: Hard

NI005181 Diameter: **2.0mm**, Purity: 99.98%, Temper: Hard



Insulated Wire

NI005810 Conductor diameter: **0.025mm**, Insulation thickness: 0.0035mm, Insulation: Polyimide

NI005825 Conductor diameter: **0.125mm**, Insulation thickness: 0.005mm, Insulation: Polyimide, Temper: Annealed

NI005875 Conductor diameter: **0.5mm**, Insulation thickness: 0.025mm, Insulation: Polyimide, Temper: Annealed



Rod

NI007910 Diameter: **1.5mm**, Purity: 99.0%, Temper: Annealed, Length: 100 mm to 1000 mm

NI007915 Diameter: **1.5mm**, High Purity: 99.99 + %, Length: 100 mm to 1000 mm

NI007925 Diameter: **2.0mm**, Purity: 99.0%, Temper: Annealed, Length: 100 mm to 1000 mm

NI007920 Diameter: **2.0mm**, High Purity: 99.99 + %, Length: 100 mm to 1000 mm

NI007930 Diameter: **3.0mm**, Purity: 99.0%, Length: 100 mm to 1000 mm

NI007933 Diameter: **3.3mm**, High Purity: 99.99 + %, Length: 50 mm to 500 mm

NI007935 Diameter: **3.5mm**, High Purity: 99.999%, Length: 50 mm to 200 mm

NI007940 Diameter: **4.0mm**, Purity: 99.0%, Temper: Annealed, Length: 100 mm to 1000 mm

NI007950 Diameter: **5.0mm**, High Purity: 99.99 + %, Length: 50 mm to 500 mm

NI007955 Diameter: **6.35mm**, Purity: 99.0%, Length: 100 mm to 1000 mm

NI007958 Diameter: **8.0mm**, High Purity: 99.99 + %, Length: 50 mm to 200 mm

NI007960 Diameter: **9.5mm**, Purity: 99.0%, Length: 100 mm to 1000 mm

NI007962 Diameter: **10.0mm**, High Purity: 99.99 + %, Length: 50 mm to 200 mm

NI007965 Diameter: **12.0mm**, Purity: 99.0%, Length: 100 mm to 1000 mm

NI007980 Diameter: **12.7mm**, Purity: 99.98%, Length: 100 mm to 1000 mm

NI007968 Diameter: **16mm**, High Purity: 99.99 + %, Length: 50 mm to 200 mm

NI007970 Diameter: **20.0mm**, Purity: 99.0%, Length: 100 mm to 1000 mm

NI007971 Diameter: **20mm**, High Purity: 99.99 + %, Length: 50 mm to 200 mm

NI007985 Diameter: **25.4mm**, Purity: 99.98%, Length: 50 mm to 200 mm

NI007986 Diameter: **25.4mm**, High Purity: 99.99 + %, Length: 25 mm to 100 mm

NI007988 Diameter: **30mm**, Purity: 99.0%, Length: 50 mm to 200 mm

NI007990 Diameter: **40mm**, Purity: 99.0%, Length: 50 mm to 200 mm

Metals

NI007995 Diameter: **50mm**, Purity: 99.0%, Temper: Annealed, Length: 25 mm to 100 mm



Tube

NI007105 Outside Diameter: **0.35mm**, Wall Thickness: 0.025mm, Inside Diameter: 0.3mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm

NI007100 Outside Diameter: **0.5mm**, Wall Thickness: 0.05mm, Inside Diameter: 0.4mm, Purity: 99.5%, Temper: Hard, Length: 26 mm to 1000 mm

NI007110 Outside Diameter: **0.56mm**, Wall Thickness: 0.13mm, Inside Diameter: 0.30mm, Purity: 99.5%, Temper: As drawn, Length: 100 mm to 1000 mm

NI007120 Outside Diameter: **0.6mm**, Wall Thickness: 0.125mm, Inside Diameter: 0.35mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm

NI007122 Outside Diameter: **0.61mm**, Wall Thickness: 0.05mm, Inside Diameter: 0.51mm, Purity: 99.0%, Length: 3.175 mm

NI007130 Outside Diameter: **0.65mm**, Wall Thickness: 0.133mm, Inside Diameter: 0.384mm, Purity: 99.5%, Temper: As drawn, Length: 100 mm to 1000 mm

NI007150 Outside Diameter: **0.75mm**, Wall Thickness: 0.08mm, Inside Diameter: 0.59mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm

NI007151 Outside Diameter: **0.762mm**, Wall Thickness: 0.279mm, Inside Diameter: 0.204mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm

NI007140 Outside Diameter: **0.78mm**, Wall Thickness: 0.29mm, Inside Diameter: 0.2mm, Purity: 99.5%, Temper: As drawn, Length: 100 mm to 1000 mm

NI007170 Outside Diameter: **0.8mm**, Wall Thickness: 0.25mm, Inside Diameter: 0.3mm, Purity: 99.5%, Temper: As drawn, Length: 100 mm to 1000 mm

NI007171 Outside Diameter: **0.8mm**, Wall Thickness: 0.15mm, Inside Diameter: 0.5mm, Purity: 99.5%, Temper: Hard, Length: 3 mm to 5 mm

NI007160 Outside Diameter: **0.8mm**, Wall Thickness: 0.15mm, Inside Diameter: 0.5mm, Purity: 99.5%, Temper: As drawn, Length: 100 mm to 1000 mm

NI007155 Outside Diameter: **0.8mm**, Wall Thickness: 0.08mm, Inside Diameter: 0.64mm, Purity: 99.5%, Temper: As drawn, Length: 100 mm to 1000 mm

NI007205 Outside Diameter: **1.0mm**, Wall Thickness: 0.4mm, Inside Diameter: 0.2mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm

NI007200 Outside Diameter: **1.0mm**, Wall Thickness: 0.1mm, Inside Diameter: 0.8mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm

NI007201 Outside Diameter: **1.0mm**, Wall Thickness: 0.1mm, Inside Diameter: 0.8mm, Purity: 99.5%, Temper: Hard, Length: 5 mm

NI007210 Outside Diameter: **1.2mm**, Wall Thickness: 0.1mm, Inside Diameter: 1mm, Purity: 99.5%, Temper: Hard, Length: 7 mm

NI007220 Outside Diameter: **1.3mm**, Wall Thickness: 0.1mm, Inside Diameter: 1.1mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm

NI007225 Outside Diameter: **1.397mm**, Wall Thickness: 0.06mm, Inside Diameter: 1.277mm, Purity: 99.5%, Temper: As drawn, Length: 100 mm to 1000 mm

NI007230 Outside Diameter: **1.4mm**, Wall Thickness: 0.15mm, Inside Diameter: 1.1mm, Purity: 99.5%, Temper: Hard, Length: 2 mm

NI007250 Outside Diameter: **1.5mm**, Wall Thickness: 0.15mm, Inside Diameter: 1.2mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm

NI007251 Outside Diameter: **1.5mm**, Wall Thickness: 0.1mm, Inside Diameter: 1.3mm, Purity: 99.5%, Temper: Hard, Length: 3 mm

NI007252 Outside Diameter: **1.5mm**, Wall Thickness: 0.05mm, Inside Diameter: 1.4mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm

NI007260 Outside Diameter: **1.57mm**, Wall Thickness: 0.47mm, Inside Diameter: 0.63mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm

NI007280 Outside Diameter: **1.8mm**, Wall Thickness: 0.1mm, Inside Diameter: 1.6mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm

NI007300 Outside Diameter: **2.0mm**, Wall Thickness: 0.2mm, Inside Diameter: 1.6mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm

NI007290 Outside Diameter: **2.0mm**, Wall Thickness: 0.1mm, Inside Diameter: 1.8mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm

NI007310 Outside Diameter: **2.4mm**, Wall Thickness: 0.076mm, Inside Diameter: 2.248mm, Purity: 99.5%, Temper: Hard, Length: 200 mm to 1000 mm

NI007350 Outside Diameter: **2.5mm**, Wall Thickness: 0.25mm, Inside Diameter: 2mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm

NI007340 Outside Diameter: **2.5mm**, Wall Thickness: 0.125mm, Inside Diameter: 2.25mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm

NI007360 Outside Diameter: **2.6mm**, Wall Thickness: 0.25mm, Inside Diameter: 2.1mm, Purity: 99.0%, Temper: Hard, Length: 15 mm

NI007370 Outside Diameter: **2.8mm**, Wall Thickness: 0.5mm, Inside Diameter: 1.8mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm

NI007400 Outside Diameter: **3.0mm**, Wall Thickness: 0.3mm, Inside Diameter: 2.4mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm

NI007450 Outside Diameter: **3.25mm**, Wall Thickness: 0.1mm, Inside Diameter: 3.05mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm

NI007500 Outside Diameter: **3.6mm**, Wall Thickness: 0.05mm, Inside Diameter: 3.5mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm

NI007550 Outside Diameter: **4.5mm**, Wall Thickness: 0.673mm, Inside Diameter: 3.154mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm

NI007600 Outside Diameter: **5.5mm**, Wall Thickness: 0.25mm, Inside Diameter: 5mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm

NI007650 Outside Diameter: **5.9mm**, Wall Thickness: 0.125mm, Inside Diameter: 5.65mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm

Metals

- NI007658** Outside Diameter: **6.5mm**, Wall Thickness: 0.5mm, Inside Diameter: 5.5mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm
- NI007670** Outside Diameter: **7.11mm**, Wall Thickness: 0.27mm, Inside Diameter: 6.57mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm
- NI007685** Outside Diameter: **7.8mm**, Wall Thickness: 0.7mm, Inside Diameter: 6.4mm, Purity: 99.5%, Temper: Hard, Length: 35 mm
- NI007700** Outside Diameter: **8.4mm**, Wall Thickness: 0.125mm, Inside Diameter: 8.15mm, Purity: 99.5%, Temper: Hard, Length: 100 mm to 1000 mm
- NI007710** Outside Diameter: **9.5mm**, Wall Thickness: 1.5mm, Inside Diameter: 6.5mm, Purity: 99.5%, Temper: Annealed, Length: 100 mm to 1000 mm



Crucible

- NI008605** Shape: **Cylindrical**, Outside Diameter: 21mm, Inside Diameter: 19mm, Height: 19mm, Capacity: 5ml, Quantity: : 1 pcs
- NI008610** Shape: **Cylindrical**, Outside Diameter: 27mm, Inside Diameter: 25mm, Height: 22mm, Capacity: 10ml, Quantity: : 1 pcs
- NI008615** Shape: **Cylindrical**, Outside Diameter: 33mm, Inside Diameter: 31mm, Height: 22mm, Capacity: 15ml, Quantity: : 1 pcs
- NI008620** Shape: **Cylindrical**, Outside Diameter: 33mm, Inside Diameter: 31mm, Height: 29mm, Capacity: 20ml, Quantity: : 1 pcs
- NI008625** Shape: **Cylindrical**, Outside Diameter: 47mm, Inside Diameter: 45mm, Height: 22mm, Capacity: 25ml, Quantity: : 1 pcs
- NI008635** Shape: **Cylindrical**, Outside Diameter: 47mm, Inside Diameter: 45mm, Height: 29mm, Capacity: 35ml, Quantity: : 1 pcs
- NI008645** Shape: **Cylindrical**, Outside Diameter: 47mm, Inside Diameter: 45mm, Height: 34mm, Capacity: 45ml, Quantity: : 1 pcs
- NI008655** Shape: **Cylindrical**, Outside Diameter: 47mm, Inside Diameter: 45mm, Height: 41mm, Capacity: 55ml, Quantity: : 1 pcs
- NI008675** Shape: **Cylindrical**, Outside Diameter: 51mm, Inside Diameter: 49mm, Height: 41mm, Capacity: 75ml, Quantity: : 1 pcs
- NI008680** Shape: **Cylindrical**, Outside Diameter: 59mm, Inside Diameter: 57mm, Height: 45mm, Capacity: 100ml, Quantity: : 1 pcs
- NI008685** Shape: **Cylindrical**, Outside Diameter: 83mm, Inside Diameter: 81mm, Height: 57mm, Capacity: 250ml, Quantity: : 1 pcs
- NI008690** Shape: **Cylindrical**, Outside Diameter: 104mm, Inside Diameter: 102mm, Height: 63mm, Capacity: 500ml, Quantity: : 1 pcs
- NI008695** Shape: **Cylindrical**, Outside Diameter: 127mm, Inside Diameter: 125mm, Height: 89mm, Capacity: 1000ml, Quantity: : 1 pcs
- NI008698** Shape: **Cylindrical**, Outside Diameter: 152mm, Inside Diameter: 150mm, Height: 99mm, Capacity: 1500ml, Quantity: : 1 pcs



Powder

- NI006021** Mean Particle size (FSSS): **3-7micron**, Purity: 99.8%, Condition: Carbonyl
- NI006015** Max. Particle size: **45micron**, Purity: 99.5 + %
- NI006035** Max. Particle size: **150micron**, High Purity: 99.99 + %

- NI006010** Max. Particle size: **250micron**, Purity: 99.5 + %



Lump

- NI006106** Max. Lump size: **3.5mm**, High Purity: 99.99 + %, Condition: Pellets
- NI006105** Max. Lump size: **5mm**, High Purity: 99.99 + %, Condition: Pellets
- NI006100** Max. Lump size: **10mm**, High Purity: 99.99 + %, Condition: Pellets
- NI006101** Max. Lump size: **10mm**, High Purity: 99.999%, Condition: Pellets
- NI006107** Max. Lump size: **15mm**, High Purity: 99.99 + %, Condition: Pellets
- NI006108** Max. Lump size: **20mm**, High Purity: 99.99 + %, Condition: Pellets
- NI006120** Max. Lump size: **50mm**, Purity: 99.8%, Condition: Broken cathode squares



Sphere

- NI006811** Diameter: **0.76mm**, Tolerance: $\pm 25.4\mu\text{m}$, Sphericity: $5.08\mu\text{m}$, Purity: 99.0%, Grade: Precision Sphere, Condition: Grade 200
- NI006820** Diameter: **1.0mm**, Tolerance: $\pm 25.4\mu\text{m}$, Sphericity: $5.08\mu\text{m}$, Purity: 99.0%, Grade: Precision Sphere, Condition: Grade 200
- NI006840** Diameter: **3.0mm**, Tolerance: $\pm 25.4\mu\text{m}$, Sphericity: $5.08\mu\text{m}$, Purity: 99.0%, Grade: Precision Sphere, Condition: Grade 200



Single Crystal

- NI002129** Oriented: **(100)**, Diameter: 12mm, Length: 10mm, Purity: 99.999%
- NI002151** Oriented: **(100)**, Thickness: 2mm, Diameter: 12mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron
- NI002150** Oriented: **(100)**, Thickness: 2mm, Diameter: 12mm, Purity: 99.999%, Condition: Unpolished
- NI002130** Oriented: **(100)**, Diameter: 12mm, Length: 25mm, Purity: 99.999%
- NI002131** Oriented: **(100)**, Diameter: 12mm, Length: 50mm, Purity: 99.999%
- NI002115** Oriented: **(110)**, Diameter: 12mm, Length: 10mm, Purity: 99.999%
- NI002120** Oriented: **(110)**, Diameter: 12mm, Length: 25mm, Purity: 99.999%
- NI002122** Oriented: **(110)**, Diameter: 10mm, Length: 30mm, Purity: 99.999%
- NI002121** Oriented: **(110)**, Diameter: 12mm, Length: 50mm, Purity: 99.999%
- NI002181** Oriented: **(111)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron
- NI002180** Oriented: **(111)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.999%, Condition: Unpolished
- NI002138** Oriented: **(111)**, Diameter: 12mm, Length: 10mm, Purity: 99.999%
- NI002140** Oriented: **(111)**, Diameter: 12mm, Length: 25mm, Purity: 99.999%
- NI002141** Oriented: **(111)**, Diameter: 12mm, Length: 50mm, Purity: 99.999%
- NI002161** Oriented: **(123)**, Thickness: 1mm, Diameter: 5mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron
- NI002160** Oriented: **(123)**, Thickness: 1mm, Diameter: 5mm, Purity: 99.999%, Condition: Unpolished

Metals

NI002162 Oriented: (123), Thickness: 1mm, Diameter: 5mm, Purity: 99.999%, Condition: Polished on both sides to 1 micron

Nickel - Nanocrystalline (Ni)



Foil

NJ000200 Thickness: **0.01mm**, Grain size: 10-20nm nominal, Support: Permanent Copper, Size: 12x12 mm to 20x25 mm

NJ000201 Thickness: **0.01mm**, Grain size: 10-20nm nominal, Support: Permanent Copper, Size: 80x80 mm

NJ000250 Thickness: **0.02mm**, Grain size: 10-20nm nominal, Support: Permanent Copper, Size: 25x25 mm

NJ000251 Thickness: **0.02mm**, Grain size: 10-20nm nominal, Support: Permanent Copper, Size: 80x80 mm

NJ000300 Thickness: **0.05mm**, Grain size: 10-20nm nominal, Support: Permanent Copper, Size: 25x25 mm

NJ000301 Thickness: **0.05mm**, Grain size: 10-20nm nominal, Support: Permanent Copper, Size: 80x80 mm

Niobium (Nb)



Microfoil

NB004200 Thinness: **0.025µm**, Specific density: 21µg.cm⁻², Purity: 99.9%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm



Foil

NB000100 Thickness: **0.001mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm

NB000110 Thickness: **0.002mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm

NB000120 Thickness: **0.0025mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

NB000130 Thickness: **0.003mm**, Purity: 99.9%, Size: 25x25 mm to 150x150 mm

NB000140 Thickness: **0.004mm**, Purity: 99.9%, Size: 25x25 mm to 150x150 mm

NB000210 Thickness: **0.005mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

NB000150 Thickness: **0.006mm**, Purity: 99.9%, Size: 50x50 mm to 150x150 mm

NB000160 Thickness: **0.007mm**, Purity: 99.9%, Size: 100x100 mm to 150x150 mm

NB000230 Thickness: **0.0075mm**, Purity: 99.9%, Size: 150x150 mm to 200x300 mm

NB000170 Thickness: **0.008mm**, Purity: 99.9%, Size: 100x100 mm to 150x150 mm

NB000180 Thickness: **0.009mm**, Purity: 99.9%, Size: 100x100 mm to 150x150 mm

NB000250 Thickness: **0.01mm**, Purity: 99.9%, Size: 25x25 mm to 214x300 mm

NB000270 Thickness: **0.0125mm**, Purity: 99.9%, Coil width 200 mm, Size: 25x25 mm to 200x300 mm

NB000190 Thickness: **0.02mm**, Purity: 99.9%, Size: 100x100 mm to 150x150 mm

NB000301 Thickness: **0.025mm**, Purity: 99.9%, Temper: As rolled, Coil width 100 mm, Size: 25x25 mm to 100x100 mm

NB000300 Thickness: **0.025mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 50x50 mm

NB000316 Thickness: **0.05mm**, Purity: 99.9%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

NB000315 Thickness: **0.05mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 50x50 mm

NB000330 Thickness: **0.1mm**, Purity: 99.9%, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

NB000344 Thickness: **0.125mm**, Purity: 99.9%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

NB000350 Thickness: **0.15mm**, Purity: 99.9%, Temper: Annealed, Coil width 152 mm, Size: 25x25 mm to 150x150 mm

NB000360 Thickness: **0.25mm**, Purity: 99.9%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

NB000361 Thickness: **0.25mm**, Purity: 99.9%, Temper: Annealed, Condition: Flattened, Size: 25x25 mm to 300x300 mm

NB000365 Thickness: **0.30mm**, Purity: 99.9%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

NB000370 Thickness: **0.5mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 150x150 mm

NB000374 Thickness: **0.75mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 150x150 mm

NB000380 Thickness: **1.0mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 150x150 mm

NB000400 Thickness: **1.5mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 150x150 mm

NB000420 Thickness: **2.0mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 100x100 mm

NB000430 Thickness: **3.0mm**, Purity: 99.9%, Temper: Annealed, Size: 150x150 mm to 300x300 mm

NB000450 Thickness: **6.0mm**, Purity: 99.9%, Temper: Annealed, Size: 150x150 mm to 300x300 mm



Sputtering Target

NB009200 Thickness: **2.0mm**, Purity: 99.9%, Size: 50.8 mm

NB009300 Thickness: **3.0mm**, Purity: 99.9%, Size: 25.4 mm to 75 mm

NB009600 Thickness: **6.0mm**, Purity: 99.9%, Size: 25.4 mm to 75 mm



Wire

NB005100 Diameter: **0.05mm**, Purity: 99.85%, Temper: As drawn

NB005105 Diameter: **0.1mm**, Purity: 99.9%, Temper: Annealed, Condition: Clean

NB005110 Diameter: **0.125mm**, Purity: 99.9%, Temper: Annealed

NB005115 Diameter: **0.18mm**, Purity: 99.9%, Temper: Annealed

NB005120 Diameter: **0.25mm**, Purity: 99.9%, Temper: Annealed

NB005125 Diameter: **0.5mm**, Purity: 99.9%, Temper: Annealed

NB005130 Diameter: **1.0mm**, Purity: 99.9%, Temper: Annealed

NB005135 Diameter: **1.25mm**, Purity: 99.9%, Temper: Annealed

NB005140 Diameter: **1.5mm**, Purity: 99.9%, Temper: Annealed

Metals



Insulated Wire

- NB005851** Conductor diameter: **0.05mm**, Insulation thickness: 0.007mm, Insulation: Polyimide
- NB005850** Conductor diameter: **0.05mm**, Insulation thickness: 0.008mm, Insulation: PTFE (Polytetrafluoroethylene)
- NB005855** Conductor diameter: **0.10mm**, Insulation thickness: 0.01mm, Insulation: Polyimide
- NB005860** Conductor diameter: **0.125mm**, Insulation thickness: 0.01mm, Insulation: Polyimide
- NB005865** Conductor diameter: **0.250mm**, Insulation thickness: 0.04mm, Insulation: PTFE (Polytetrafluoroethylene)



Rod

- NB007905** Diameter: **1.5mm**, Purity: 99.9%, Temper: Annealed, Length: 200 mm to 500 mm
- NB007910** Diameter: **2.0mm**, Purity: 99.9%, Temper: Annealed, Length: 100 mm to 1000 mm
- NB007916** Diameter: **2.5mm**, Purity: 99.9%, Temper: Annealed, Length: 93 mm to 935 mm
- NB007917** Diameter: **3.0mm**, Purity: 99.9%, Temper: Annealed, Length: 199 mm
- NB007920** Diameter: **5.0mm**, Purity: 99.9%, Temper: Annealed, Length: 100 mm to 1000 mm
- NB007925** Diameter: **5.6mm**, Purity: 99.9%, Temper: Annealed, Length: 100 mm to 1000 mm
- NB007930** Diameter: **10.0mm**, Purity: 99.9%, Temper: Annealed, Length: 100 mm to 1000 mm
- NB007935** Diameter: **12.7mm**, Purity: 99.9%, Temper: Annealed, Length: 50 mm to 500 mm
- NB007940** Diameter: **20.0mm**, Purity: 99.9%, Temper: Annealed, Length: 25 mm to 200 mm
- NB007941** Diameter: **25mm**, Purity: 99.9%, Length: 100 mm
- NB007942** Diameter: **30.0mm**, Purity: 99.9%, Temper: Annealed, Length: 25 mm to 100 mm
- NB007945** Diameter: **42mm**, Purity: 99.9%, Temper: Annealed, Length: 50 mm to 100 mm
- NB007950** Diameter: **50.0mm**, Purity: 99.9%, Temper: Annealed, Length: 50 mm to 100 mm
- NB007960** Diameter: **63.5mm**, Purity: 99.9%, Temper: Annealed, Length: 50 mm to 200 mm
- NB007975** Diameter: **75mm**, Purity: 99.9%, Temper: Annealed, Length: 100 mm
- NB007995** Diameter: **100mm**, Purity: 99.9%, Temper: Annealed, Length: 100 mm



Tube

- NB007110** Outside Diameter: **1.0mm**, Wall Thickness: 0.25mm, Inside Diameter: 0.5mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm
- NB007200** Outside Diameter: **2.54mm**, Wall Thickness: 0.05mm, Inside Diameter: 2.44mm, Purity: 99.9%, Temper: Annealed, Length: 100 mm to 1000 mm
- NB007300** Outside Diameter: **5.0mm**, Wall Thickness: 0.3mm, Inside Diameter: 4.4mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm
- NB007600** Outside Diameter: **10.0mm**, Wall Thickness: 0.4mm, Inside Diameter: 9.2mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm
- NB007700** Outside Diameter: **16.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 13mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 500 mm



Bolt

- NB00BO30** Size: **M3 x 10mm**, Head Style: Hexagonal, Pitch: 0.5mm, Standard: ISO 4017:2011, Quantity: 10 pcs
- NB00BO35** Size: **M3 x 30mm**, Head Style: Hexagonal, Pitch: 0.5mm, Standard: ISO 4017:2011, Quantity: 10 pcs
- NB00BO38** Size: **M3 x 50mm**, Head Style: Hexagonal, Pitch: 0.5mm, Standard: ISO 4017:2011, Quantity: 10 pcs
- NB00BO40** Size: **M4 x 10mm**, Head Style: Hexagonal, Pitch: 0.7mm, Standard: ISO 4017:2011, Quantity: 10 pcs
- NB00BO45** Size: **M4 x 30mm**, Head Style: Hexagonal, Pitch: 0.7mm, Standard: ISO 4017:2011, Quantity: 10 pcs
- NB00BO48** Size: **M4 x 50mm**, Head Style: Hexagonal, Pitch: 0.7mm, Standard: ISO 4017:2011, Quantity: 10 pcs
- NB00BO50** Size: **M5 x 10mm**, Head Style: Hexagonal, Pitch: 0.8mm, Standard: ISO 4017:2011, Quantity: 10 pcs
- NB00BO55** Size: **M5 x 30mm**, Head Style: Hexagonal, Pitch: 0.8mm, Standard: ISO 4017:2011, Quantity: 10 pcs
- NB00BO58** Size: **M5 x 50mm**, Head Style: Hexagonal, Pitch: 0.8mm, Standard: ISO 4017:2011, Quantity: 10 pcs
- NB00BO60** Size: **M6 x 10mm**, Head Style: Hexagonal, Pitch: 1.0mm, Standard: ISO 4017:2011, Quantity: 10 pcs
- NB00BO65** Size: **M6 x 30mm**, Head Style: Hexagonal, Pitch: 1.0mm, Standard: ISO 4017:2011, Quantity: 10 pcs
- NB00BO68** Size: **M6 x 50mm**, Head Style: Hexagonal, Pitch: 1.0mm, Standard: ISO 4017:2011, Quantity: 10 pcs



Nut

- NB00NU03** Size: **M3**, Style: Hexagonal, Pitch: 0.5mm, Standard: ISO 4032:2012, Quantity: 10 pcs
- NB00NU04** Size: **M4**, Style: Hexagonal, Pitch: 0.7mm, Standard: ISO 4032:2012, Quantity: 10 pcs
- NB00NU05** Size: **M5**, Style: Hexagonal, Pitch: 0.8mm, Standard: ISO 4032:2012, Quantity: 10 pcs
- NB00NU06** Size: **M6**, Style: Hexagonal, Pitch: 1.0mm, Standard: ISO 4032:2012, Quantity: 10 pcs



Washer

- NB00WA03** Size: **M3**, Outside Diameter: 6.64 - 7.00mm, Inside Diameter: 3.20 - 3.38mm, Thickness: 0.45 - 0.55mm, Standard: ISO 7089:2000, Quantity: 10 pcs
- NB00WA04** Size: **M4**, Outside Diameter: 8.64 - 9.00mm, Inside Diameter: 4.30 - 4.48mm, Thickness: 0.70 - 0.90mm, Standard: ISO 7089:2000, Quantity: 10 pcs
- NB00WA05** Size: **M5**, Outside Diameter: 9.64 - 10.00mm, Inside Diameter: 5.30 - 5.48mm, Thickness: 0.90 - 1.10mm, Standard: ISO 7089:2000, Quantity: 10 pcs
- NB00WA06** Size: **M6**, Outside Diameter: 11.57 - 12.00mm, Inside Diameter: 6.40 - 6.62mm, Thickness: 1.40 - 1.80mm, Standard: ISO 7089:2000, Quantity: 10 pcs



Powder

- NB006022** Max. Particle size: **74micron**, Purity: 99.85%

Metals



Lump

NB006101 Max. Lump size: **5mm**, Purity: 99.9%, Condition: Pellets

NB006100 Max. Lump size: **10mm**, Purity: 99.9%, Condition: Pellets



Sphere

NB006840 Diameter: **4.0mm**, Tolerance: $\pm 100\mu\text{m}$, Purity: 99.9%, Grade: Precision Sphere



Single Crystal

NB002111 Oriented: **(100)**, Thickness: 2mm, Diameter: 12mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

NB002110 Oriented: **(100)**, Thickness: 2mm, Diameter: 12mm, Purity: 99.999%, Condition: Unpolished

NB002059 Oriented: **(110)**, Diameter: 6mm, Length: 10mm, Purity: 99.999%

NB002119 Oriented: **(110)**, Diameter: 12mm, Length: 10mm, Purity: 99.999%

NB002113 Oriented: **(110)**, Thickness: 2mm, Diameter: 12mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

NB002112 Oriented: **(110)**, Thickness: 2mm, Diameter: 12mm, Purity: 99.999%, Condition: Unpolished

NB002060 Oriented: **(110)**, Diameter: 6mm, Length: 25mm, Purity: 99.999%

NB002120 Oriented: **(110)**, Diameter: 12mm, Length: 25mm, Purity: 99.999%

NB002061 Oriented: **(110)**, Diameter: 6mm, Length: 50mm, Purity: 99.999%

NB002121 Oriented: **(110)**, Diameter: 12mm, Length: 50mm, Purity: 99.999%

NB002129 Oriented: **(111)**, Diameter: 12mm, Length: 10mm, Purity: 99.999%

NB002115 Oriented: **(111)**, Thickness: 2mm, Diameter: 12mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

NB002114 Oriented: **(111)**, Thickness: 2mm, Diameter: 12mm, Purity: 99.999%, Condition: Unpolished

NB002130 Oriented: **(111)**, Diameter: 12mm, Length: 25mm, Purity: 99.999%

Osmium (Os)



Powder

OS006010 Max. Particle size: **500micron**, Purity: 99.9%

Palladium (Pd)



Microfoil

PD004300 Thinness: **0.05 μm** , Specific density: 63.6 $\mu\text{g.cm}^{-2}$, Purity: 99.99%, Support: Permanent Mylar 3.5 μm , Diameter: 10 mm to 50 mm

PD004500 Thinness: **0.1 μm** , Specific density: 119.2 $\mu\text{g.cm}^{-2}$, Purity: 99.99%, Support: Permanent Mylar 3.5 μm , Diameter: 10 mm to 50 mm

PD004600 Thinness: **0.25 μm** , Specific density: 303.4 $\mu\text{g.cm}^{-2}$, Purity: 99.99%, Support: Permanent Mylar 3.5 μm , Diameter: 10 mm to 50 mm

PD004700 Thinness: **0.5 μm** , Specific density: 303.4 $\mu\text{g.cm}^{-2}$, Purity: 99.99%, Support: Permanent Mylar 3.5 μm , Diameter: 10 mm to 25 mm



Foil

PD000170 Thickness: **0.0005mm**, Purity: 99.75%, Size: 25x25 mm to 50x50 mm

PD000180 Thickness: **0.00075mm**, Purity: 99.75%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

PD000190 Thickness: **0.001mm**, Purity: 99.75%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

PD000201 Thickness: **0.0015mm**, Purity: 99.95%, Size: 25x25 mm

PD000202 Thickness: **0.002mm**, Purity: 99.95%, Size: 25x25 mm to 50x50 mm

PD000206 Thickness: **0.0025mm**, Purity: 99.95%, Size: 25x25 mm to 50x50 mm

PD000203 Thickness: **0.003mm**, Purity: 99.95%, Size: 25x25 mm to 50x50 mm

PD000204 Thickness: **0.004mm**, Purity: 99.95%, Size: 25x25 mm to 100x100 mm

PD000205 Thickness: **0.005mm**, Purity: 99.95%, Size: 25x25 mm to 100x100 mm

PD000200 Thickness: **0.006mm**, Purity: 99.95%, Size: 25x25 mm to 100x100 mm

PD000240 Thickness: **0.008mm**, Purity: 99.95%, Size: 25x25 mm to 100x100 mm

PD000241 Thickness: **0.008mm**, Purity: 99.95%, Size: 150x150 mm

PD000250 Thickness: **0.0125mm**, Purity: 99.95%, Size: 25x25 mm to 100x100 mm

PD000251 Thickness: **0.0125mm**, Purity: 99.95%, Size: 150x150 mm

PD000255 Thickness: **0.02mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PD000256 Thickness: **0.02mm**, Purity: 99.95%, Temper: As rolled, Size: 150x150 mm

PD000260 Thickness: **0.025mm**, Purity: 99.95%, Temper: As rolled, Size: 50x50 mm to 100x100 mm

PD000270 Thickness: **0.025mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PD000263 Thickness: **0.025mm**, Purity: 99.95%, Temper: As rolled, Size: 150x150 mm

PD000261 Thickness: **0.03mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PD000264 Thickness: **0.03mm**, Purity: 99.95%, Temper: As rolled, Size: 150x150 mm

PD000262 Thickness: **0.047mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PD000272 Thickness: **0.075mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PD000276 Thickness: **0.1mm**, Coil width: 2mm, Purity: 99.95%, Temper: As rolled, Length: 0.05 m to 1 m

PD000275 Thickness: **0.1mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PD000278 Thickness: **0.1mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 50x50 mm

PD000280 Thickness: **0.125mm**, Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 50x50 mm

PD000290 Thickness: **0.125mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PD000300 Thickness: **0.25mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

Metals

PD000310 Thickness: **0.25mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 50x50 mm

PD000350 Thickness: **0.50mm**, Purity: 99.95%, Temper: As rolled, Size: 10x10 mm to 50x50 mm

PD000351 Thickness: **0.50mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 10x10 mm to 25x25 mm

PD000360 Thickness: **0.60mm**, Purity: 99.95%, Temper: As rolled, Size: 10x10 mm to 50x50 mm

PD000375 Thickness: **1.0mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

PD000376 Thickness: **1.0mm**, Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 50x50 mm

PD000500 Thickness: **2.0mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 50x50 mm



Sputtering Target

PD009202 Thickness: **0.25mm**, Purity: 99.95%, Size: 50 mm to 60 mm

PD009205 Thickness: **0.5mm**, Purity: 99.95%, Size: 25 mm to 50 mm

PD009206 Thickness: **1.0mm**, Purity: 99.95%, Size: 25 mm to 50 mm

PD009300 Thickness: **3mm**, Purity: 99.95%, Size: 10 mm to 25 mm



Wire

PD005110 Diameter: **0.02mm**, Purity: 99.95%, Temper: As drawn

PD005113 Diameter: **0.025mm**, Purity: 99.9%, Temper: As drawn

PD005114 Diameter: **0.04mm**, Purity: 99.95%, Temper: As drawn

PD005116 Diameter: **0.05mm**, Purity: 99.9%, Temper: As drawn

PD005120 Diameter: **0.125mm**, Purity: 99.95%, Temper: Hard

PD005140 Diameter: **0.25mm**, High Purity: 99.99 + %, Temper: As drawn

PD005130 Diameter: **0.25mm**, Purity: 99.95%, Temper: Hard

PD005146 Diameter: **0.5mm**, Purity: 99.95%, Temper: As drawn

PD005150 Diameter: **1.0mm**, Purity: 99.95%, Temper: Hard

PD005155 Diameter: **1.0mm**, High Purity: 99.99 + %, Temper: As drawn



Rod

PD007920 Diameter: **2.0mm**, Purity: 99.95%, Length: 25 mm to 100 mm

PD007940 Diameter: **4.0mm**, Purity: 99.95%, Length: 25 mm to 100 mm

PD007950 Diameter: **6.0mm**, Purity: 99.95%, Length: 10 mm to 50 mm



Tube

PD007100 Outside Diameter: **1.0mm**, Wall Thickness: 0.1mm, Inside Diameter: 0.8mm, Purity: 99.95%, Temper: As drawn, Length: 50 mm

PD007130 Outside Diameter: **1.59mm**, Wall Thickness: 0.45mm, Inside Diameter: 0.69mm, Purity: 99.95%, Temper: As drawn, Length: 50 mm to 200 mm

PD007150 Outside Diameter: **2.0mm**, Wall Thickness: 0.2mm, Inside Diameter: 1.6mm, Purity: 99.95%, Temper: As drawn, Length: 50 mm to 200 mm

PD007250 Outside Diameter: **5.0mm**, Wall Thickness: 0.3mm, Inside Diameter: 4.4mm, Purity: 99.95%, Temper: As drawn, Length: 50 mm to 200 mm

PD007260 Outside Diameter: **6mm**, Wall Thickness: 0.5mm, Inside Diameter: 5mm, Purity: 99.95%, Temper: As drawn, Condition: Half-round closed at one end, Length: 120 mm

PD007265 Outside Diameter: **6.6mm**, Wall Thickness: 0.125mm, Inside Diameter: 6.35mm, Purity: 99.95%, Temper: As drawn, Length: 50 mm to 200 mm



Powder

PD006016 Max. Particle size: **3micron**, Purity: 99.95%

PD006015 Max. Particle size: **10micron**, Purity: 99.95%

PD006012 Max. Particle size: **150micron**, Purity: 99.95%



Lump

PD006100 Max. Lump size: **6mm**, Purity: 99.95%



Single Crystal

PD002121 Oriented: **(100)**, Thickness: 2mm, Diameter: 10mm, Condition: Polished on 1 side to 1 micron

PD002120 Oriented: **(100)**, Thickness: 2mm, Diameter: 10mm, Condition: Unpolished

PD002110 Oriented: **(100)**, Diameter: 10mm, Length: 12mm

PD002131 Oriented: **(111)**, Thickness: 2mm, Diameter: 10mm, Condition: Polished on 1 side to 1 micron

PD002130 Oriented: **(111)**, Thickness: 2mm, Diameter: 10mm, Condition: Unpolished

Phosphorus (P)



Film

P 001410 Thickness: **0.1 mm**, Condition: Black phosphorus, Condition: Single crystal, Size: 5x5 mm

Platinum (Pt)



Microfoil

PT004500 Thinness: **0.1µm**, Specific density: 120µg.cm⁻², Purity: 99.99 %, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm

PT004600 Thinness: **0.25µm**, Specific density: 300µg.cm⁻², Purity: 99.99 %, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm

PT004700 Thinness: **0.5µm**, Specific density: 600µg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5µm, Diameter: 10 mm

PT004800 Thinness: **0.75µm**, Specific density: 900µg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5µm, Diameter: 10 mm

PT004850 Thinness: **1.0µm**, Specific density: 900µg.cm⁻², Purity: 99.99 + %, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm



Foil

PT000170 Thickness: **0.0005mm**, Purity: 99.85%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

PT000180 Thickness: **0.00075mm**, Purity: 99.85%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

Metals

PT000190	Thickness: 0.001mm , Purity: 99.85%, Support: Permanent Polyester, Size: 23x23 mm to 23x25 mm
PT000200	Thickness: 0.001mm , Purity: 99.95%, Temper: As rolled, Size: 25x25 mm
PT000201	Thickness: 0.00125mm , Purity: 99.95%, Temper: As rolled, Size: 25x25 mm
PT000202	Thickness: 0.0015mm , Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 50x50 mm
PT000203	Thickness: 0.002mm , Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PT000206	Thickness: 0.0025mm , Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PT000204	Thickness: 0.003mm , Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PT000207	Thickness: 0.004mm , Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PT000208	Thickness: 0.005mm , Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PT000210	Thickness: 0.0075mm , Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 150x150 mm
PT000215	Thickness: 0.01mm , Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PT000220	Thickness: 0.0125mm , Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PT000228	Thickness: 0.025mm , Coil width: .4mm, Purity: 99.95%, Temper: As rolled, Length: 0.05 m to 0.5 m
PT000233	Thickness: 0.025mm , Coil width: .85mm, Purity: 99.95%, Temper: As rolled, Length: 0.05 m to 0.5 m
PT000229	Thickness: 0.025mm , Purity: 99.95%, Temper: As rolled, Diameter: 1.2 mm
PT000235	Thickness: 0.025mm , Coil width: 1.2mm, Purity: 99.95%, Temper: As rolled, Length: 0.05 m to 0.5 m
PT000234	Thickness: 0.025mm , Coil width: 1.6mm, Purity: 99.95%, Temper: As rolled, Length: 0.05 m to 0.5 m
PT000237	Thickness: 0.025mm , Coil width: 2mm, Purity: 99.95%, Temper: As rolled, Length: 0.05 m to 0.5 m
PT000232	Thickness: 0.025mm , Coil width: 5mm, Purity: 99.95%, Temper: As rolled, Length: 0.05 m to 0.5 m
PT000236	Thickness: 0.025mm , Coil width: 8mm, Purity: 99.95%, Temper: As rolled, Length: 0.05 m to 0.5 m
PT000230	Thickness: 0.025mm , Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PT000240	Thickness: 0.025mm , High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PT000231	Thickness: 0.025mm , Purity: 99.95%, Temper: As rolled, Size: 150x150 mm
PT000242	Thickness: 0.029mm , Coil width: .34mm, Purity: 99.99%, Temper: Annealed, Length: 0.05 m to 1 m
PT000227	Thickness: 0.030mm , Coil width: .7mm, Purity: 99.95%, Temper: As rolled, Length: 0.05 m to 0.5 m
PT000246	Thickness: 0.045mm , Coil width: .75mm, Purity: 99.95%, Temper: As rolled, Length: 0.05 m to 0.5 m

PT000249	Thickness: 0.05mm , Coil width: 1mm, Purity: 99.99%, Temper: As rolled, Length: 0.05 m to 0.5 m
PT000247	Thickness: 0.05mm , Coil width: 5mm, Purity: 99.95%, Temper: As rolled, Length: 0.05 m to 0.2 m
PT000248	Thickness: 0.05mm , Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PT000261	Thickness: 0.1mm , Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PT000260	Thickness: 0.1mm , High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PT000262	Thickness: 0.1mm , High Purity: 99.99 + %, Temper: As rolled, Size: 150x150 mm
PT000252	Thickness: 0.125mm , Coil width: 2.5mm, Purity: 99.99%, Temper: As rolled, Length: 0.05 m to 0.2 m
PT000251	Thickness: 0.125mm , Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PT000250	Thickness: 0.125mm , High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PT000263	Thickness: 0.15mm , Coil width: .9mm, Purity: 99.99%, Temper: As rolled, Length: 0.05 m to 0.2 m
PT000255	Thickness: 0.15mm , Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PT000265	Thickness: 0.2mm , Coil width: 5mm, Purity: 99.95%, Temper: As rolled, Length: 0.05 m to 0.1 m
PT000264	Thickness: 0.2mm , Purity: 99.95%, Temper: As rolled, Size: 15x15 mm to 60x60 mm
PT000271	Thickness: 0.25mm , High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm
PT000272	Thickness: 0.25mm , Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PT000270	Thickness: 0.25mm , High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
PT000300	Thickness: 0.5mm , Purity: 99.95%, Temper: As rolled, Size: 10x10 mm to 50x50 mm
PT000320	Thickness: 1.0mm , Purity: 99.95%, Temper: As rolled, Size: 10x10 mm to 50x50 mm
PT000321	Thickness: 1.0mm , Purity: 99.95%, Temper: As rolled, Condition: Polished on 1 side, Size: 5x10 mm to 10x10 mm
PT000350	Thickness: 2.0mm , Purity: 99.95%, Temper: As rolled, Size: 10x10 mm to 50x50 mm



Sputtering Target

PT009100	Thickness: 0.1mm , Tolerance: 15%, Purity: 99.95%, Size: 25 mm to 57 mm
PT009202	Thickness: 0.2mm , Purity: 99.95%, Size: 25 mm to 57 mm
PT009205	Thickness: 0.5mm , Purity: 99.95%, Size: 25 mm to 54 mm
PT009206	Thickness: 1.0mm , Purity: 99.95%, Size: 25.4 mm to 76.2 mm
PT009210	Thickness: 2.0mm , Purity: 99.95%, Size: 25.4 mm to 76.2 mm

Metals



Mesh

- PT008720** Nominal Aperture: **0.12mm**, Wire diameter: 0.04mm, Wires/inch: 152, Open area: 56%, Purity: 99.9%, Type: Plain weave mesh, Size: 20x20 mm to 100x100 mm
- PT008710** Nominal Aperture: **0.25mm**, Wire diameter: 0.06mm, Wires/inch: 82x82, Open area: 65%, Purity: 99.9%, Type: Plain weave mesh, Size: 20x20 mm to 100x100 mm
- PT008705** Nominal Aperture: **0.4mm**, Wire diameter: 0.1mm, Wires/inch: 52, Open area: 63%, Purity: 99.9%, Type: Plain weave mesh, Size: 100x100 mm



Wire

- PT005101** Diameter: **0.0006mm**, Purity: 99.9%, Condition: Wollaston wire
- PT005102** Diameter: **0.001mm**, Purity: 99.9%, Condition: Wollaston wire
- PT005103** Diameter: **0.002mm**, Purity: 99.9%, Condition: Wollaston wire
- PT005105** Diameter: **0.005mm**, Purity: 99.9%, Condition: Wollaston wire
- PT005106** Diameter: **0.006mm**, Purity: 99.9%, Condition: Wollaston wire
- PT005109** Diameter: **0.01mm**, Purity: 99.9%, Condition: Wollaston wire
- PT005107** Diameter: **0.01mm**, Purity: 99.9%, Temper: Hard
- PT005108** Diameter: **0.0125mm**, Purity: 99.9%, Temper: Hard
- PT005122** Diameter: **0.015mm**, Purity: 99.99%, Temper: Annealed
- PT005110** Diameter: **0.02mm**, Purity: 99.9%, Temper: As drawn
- PT005113** Diameter: **0.025mm**, Purity: 99.9%, Temper: Hard
- PT005114** Diameter: **0.025mm**, Purity: 99.99%, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- PT005124** Diameter: **0.04mm**, Purity: 99.99%, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- PT005116** Diameter: **0.05mm**, Purity: 99.99%, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- PT005115** Diameter: **0.05mm**, Purity: 99.99%, Temper: Hard
- PT005112** Diameter: **0.063mm**, Purity: 99.9%, Temper: Hard
- PT005123** Diameter: **0.08mm**, Purity: 99.9%, Temper: Hard
- PT005127** Diameter: **0.1mm**, Purity: 99.99%, Temper: Hard
- PT005327** Diameter: **0.1mm**, Purity: 99.99%, Temper: Hard, Condition: Straight wire
- PT005117** Diameter: **0.125mm**, Purity: 99.95%, Temper: As drawn
- PT005118** Diameter: **0.125mm**, Purity: 99.99%, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- PT005119** Diameter: **0.15mm**, Purity: 99.99%, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

- PT005126** Diameter: **0.175mm**, Purity: 99.95%, Temper: As drawn
- PT005130** Diameter: **0.20mm**, Purity: 99.99%, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- PT005121** Diameter: **0.25mm**, Purity: 99.99%, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- PT005120** Diameter: **0.25mm**, Purity: 99.95%, Temper: Hard
- PT005140** Diameter: **0.25mm**, High Purity: 99.99 + %, Temper: As drawn
- PT005141** Diameter: **0.25mm**, High Purity: 99.998%, Temper: As drawn
- PT005125** Diameter: **0.3mm**, Purity: 99.99%, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- PT005128** Diameter: **0.3mm**, Purity: 99.99%, Temper: As drawn
- PT005143** Diameter: **0.38mm**, Purity: 99.99%, Temper: Annealed
- PT005142** Diameter: **0.40mm**, Purity: 99.99%, Temper: As drawn
- PT005139** Diameter: **0.5mm**, High Purity: 99.995%, Temper: As drawn
- PT005146** Diameter: **0.5mm**, Purity: 99.99%, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- PT005145** Diameter: **0.5mm**, High Purity: 99.99 + %, Temper: As drawn
- PT005148** Diameter: **0.6mm**, High Purity: 99.99 + %, Temper: As drawn
- PT005348** Diameter: **0.635mm**, Purity: 99.99%, Temper: As drawn, Condition: Straight wire
- PT005149** Diameter: **0.8mm**, Purity: 99.99%, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- PT005156** Diameter: **1.0mm**, Purity: 99.99%, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- PT005150** Diameter: **1.0mm**, Purity: 99.95%, Temper: Hard
- PT005155** Diameter: **1.0mm**, High Purity: 99.99 + %, Temper: As drawn
- PT005157** Diameter: **1.0mm**, High Purity: 99.998%, Temper: As drawn



Insulated Wire

- PT005805** Conductor diameter: **0.015mm**, Insulation thickness: 0.002mm, Purity: 99.99%, Insulation: Polyimide
- PT005808** Conductor diameter: **0.018mm**, Insulation thickness: 0.002mm, Purity: 99.99%, Insulation: Polyester
- PT005820** Conductor diameter: **0.025mm**, Insulation thickness: 0.005mm, Purity: 99.99%, Insulation: Polyester
- PT005821** Conductor diameter: **0.025mm**, Insulation thickness: 0.005mm, Purity: 99.99%, Insulation: Polyimide

Metals

PT005825 Conductor diameter: **0.025mm**, Insulation thickness: 0.001mm, Purity: 99.999%, Insulation: PTFE (Polytetrafluoroethylene)

PT005830 Conductor diameter: **0.05mm**, Insulation thickness: 0.0075mm, Purity: 99.99%, Insulation: Polyester

PT005835 Conductor diameter: **0.05mm**, Insulation thickness: 0.009mm, Purity: 99.99%, Insulation: PTFE (Polytetrafluoroethylene)

PT005840 Conductor diameter: **0.125mm**, Insulation thickness: 0.014mm, Purity: 99.99%, Insulation: Polyester

PT005810 Conductor diameter: **0.125mm**, Insulation thickness: 0.016mm, Purity: 99.99%, Insulation: PTFE (Polytetrafluoroethylene)



Rod

PT007910 Diameter: **1.0mm**, Purity: 99.95%, Length: 25 mm to 200 mm

PT007913 Diameter: **1.25mm**, Purity: 99.95%, Length: 25 mm to 100 mm

PT007916 Diameter: **1.6mm**, Purity: 99.95%, Length: 25 mm to 100 mm

PT007920 Diameter: **2.0mm**, Purity: 99.95%, Length: 10 mm to 50 mm

PT007921 Diameter: **2.0mm**, Purity: 99.95%, Length: 2 mm

PT007930 Diameter: **3.0mm**, Purity: 99.95%, Length: 10 mm to 50 mm

PT007940 Diameter: **4.0mm**, Purity: 99.95%, Length: 10 mm to 50 mm

PT007950 Diameter: **5.0mm**, Purity: 99.95%, Length: 10 mm to 50 mm

PT007960 Diameter: **6.35mm**, Purity: 99.95%, Length: 10 mm to 50 mm

PT007961 Diameter: **6.0mm**, High Purity: 99.99 + %, Length: 6.5 mm

PT007981 Diameter: **8.0mm**, Purity: 99.95%, Length: 10 mm to 25 mm

PT007995 Diameter: **12.0mm**, Purity: 99.95%, Length: 11 mm to 25 mm



Tube

PT007050 Outside Diameter: **0.29mm**, Wall Thickness: 0.11mm, Inside Diameter: 0.07mm, Purity: 99.95%, Temper: As drawn, Length: 100 mm to 500 mm

PT007100 Outside Diameter: **0.4mm**, Wall Thickness: 0.15mm, Inside Diameter: 0.1mm, Purity: 99.95%, Temper: As drawn, Length: 100 mm to 1000 mm

PT007105 Outside Diameter: **0.40mm**, Wall Thickness: 0.12mm, Inside Diameter: 0.16mm, Purity: 99.95%, Temper: As drawn, Length: 50 mm to 500 mm

PT007115 Outside Diameter: **0.48mm**, Wall Thickness: 0.16mm, Inside Diameter: 0.16mm, Purity: 99.95%, Temper: As drawn, Length: 25 mm

PT007120 Outside Diameter: **0.5mm**, Wall Thickness: 0.04mm, Inside Diameter: 0.42mm, Purity: 99.95%, Temper: As drawn, Length: 100 mm to 1000 mm

PT007199 Outside Diameter: **0.60mm**, Wall Thickness: 0.20mm, Inside Diameter: 0.2mm, Purity: 99.95%, Temper: As drawn, Length: 7.3 mm

PT007125 Outside Diameter: **0.6mm**, Wall Thickness: 0.05mm, Inside Diameter: 0.5mm, Purity: 99.95%, Temper: As drawn, Length: 100 mm to 1000 mm

PT007124 Outside Diameter: **0.6mm**, Wall Thickness: 0.04mm, Inside Diameter: 0.52mm, Purity: 99.95%, Temper: As drawn, Length: 100 mm to 200 mm

PT007150 Outside Diameter: **0.7mm**, Wall Thickness: 0.15mm, Inside Diameter: 0.4mm, Purity: 99.95%, Temper: As drawn, Length: 50 mm to 500 mm

PT007190 Outside Diameter: **0.95mm**, Wall Thickness: 0.175mm, Inside Diameter: 0.60mm, Purity: 99.95%, Temper: As drawn, Length: 50 mm to 500 mm

PT007200 Outside Diameter: **1.0mm**, Wall Thickness: 0.1mm, Inside Diameter: 0.8mm, Purity: 99.95%, Temper: As drawn, Length: 50 mm to 500 mm

PT007220 Outside Diameter: **1.2mm**, Wall Thickness: 0.1mm, Inside Diameter: 1.0mm, Purity: 99.95%, Temper: As drawn, Length: 50 mm to 500 mm

PT007250 Outside Diameter: **2.0mm**, Wall Thickness: 0.2mm, Inside Diameter: 1.6mm, Purity: 99.95%, Temper: As drawn, Length: 50 mm to 200 mm

PT007300 Outside Diameter: **3.0mm**, Wall Thickness: 0.1mm, Inside Diameter: 2.8mm, Purity: 99.95%, Temper: As drawn, Length: 50 mm to 200 mm

PT007500 Outside Diameter: **6mm**, Wall Thickness: 0.2mm, Inside Diameter: 5.6mm, Purity: 99.95%, Temper: As drawn, Length: 25 mm to 50 mm



Powder

PT006021 Max. Particle size: **3.5micron**, Purity: 99.95%

PT006015 Max. Particle size: **45micron**, Purity: 99.95%

PT006016 Max. Particle size: **150micron**, Purity: 99.95%



Lump

PT006101 Max. Lump size: **6mm**, Purity: 99.95%, Condition: Pellets

PT006102 Max. Lump size: **8mm**, Purity: 99.95%, Condition: Granular



Single Crystal

PT002123 Oriented: **(100)**, Thickness: 1mm, Diameter: 6mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

PT002121 Oriented: **(100)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

PT002120 Oriented: **(100)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.999%, Condition: Unpolished

PT002125 Oriented: **(100)**, Diameter: 2mm, Length: 10mm, Purity: 99.999%

PT002150 Oriented: **(110)**, Thickness: 1mm, Diameter: 6mm, Purity: 99.999%, Condition: Polished on both sides to 1 micron

PT002141 Oriented: **(110)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

PT002140 Oriented: **(110)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.999%, Condition: Unpolished

PT002131 Oriented: **(111)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

PT002130 Oriented: **(111)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.999%, Condition: Unpolished

Metals

PT002151 Oriented: **(111)**, Thickness: 3mm, Diameter: 10mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

Potassium (K)



Rod

K 007910 Diameter: **10mm**, Purity: 99.97%, Length: 23 mm



Lump

K 006100 Max. Lump size: **25mm**, Purity: 99.97%

Praseodymium (Pr)



Foil

PR000050 Thickness: **0.005mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

PR000100 Thickness: **0.01mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

PR000150 Thickness: **0.015mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

PR000200 Thickness: **0.025mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

PR000210 Thickness: **0.1mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

PR000230 Thickness: **0.25mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

PR000240 Thickness: **0.50mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

PR000250 Thickness: **1.0mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm



Sputtering Target

PR009100 Thickness: **1.0mm**, Purity: 99%, Size: 50 mm to 75 mm

PR009300 Thickness: **3.0mm**, Purity: 99%, Size: 50 mm to 75 mm



Wire

PR005110 Diameter: **1.0mm**, Purity: 99.9%, Temper: Hard



Rod

PR007910 Diameter: **6.35mm**, Purity: 99%, Condition: Cast, Length: 50 mm to 100 mm

PR007920 Diameter: **10.0mm**, Purity: 99%, Condition: Cast, Length: 25 mm to 100 mm



Powder

PR006010 Max. Particle size: **250micron**, Purity: 99.9%



Lump

PR006100 Max. Lump size: **25mm**, Purity: 99%, Packing Note: Packed in Oil

Rhenium (Re)



Foil

RE000200 Thickness: **0.0125mm**, Purity: 99.99%, Temper: Annealed, Size: 25x25 mm to 50x50 mm

RE000214 Thickness: **0.025mm**, Coil width: 0.76mm, Purity: 99.99%, Temper: Annealed, Length: 0.1 m to 5 m

RE000210 Thickness: **0.025mm**, Tolerance: 25%, Purity: 99.99%, Temper: Annealed, Size: 25x25 mm to 50x50 mm

RE000220 Thickness: **0.03mm**, Coil width: 0.76mm, Purity: 99.99%, Temper: Annealed, Length: 0.1 m to 2 m

RE000228 Thickness: **0.04mm**, Coil width: .7mm, Purity: 99.99%, Temper: Annealed, Length: 0.1 m to 2 m

RE000229 Thickness: **0.04mm**, Coil width: .8mm, Purity: 99.99%, Temper: Annealed, Length: 0.1 m to 2 m

RE000234 Thickness: **0.05mm**, Coil width: 0.76mm, Purity: 99.99%, Temper: Annealed, Length: 0.1 m to 2 m

RE000230 Thickness: **0.05mm**, Purity: 99.99%, Temper: Annealed, Size: 25x25 mm to 50x50 mm

RE000236 Thickness: **0.10mm**, Purity: 99.99%, Temper: Annealed, Size: 25x25 mm to 50x50 mm

RE000240 Thickness: **0.125mm**, Purity: 99.99%, Temper: Annealed, Size: 25x25 mm to 50x50 mm

RE000242 Thickness: **0.15mm**, Purity: 99.99%, Temper: Annealed, Size: 25x25 mm to 50x50 mm

RE000245 Thickness: **0.20mm**, Purity: 99.99%, Temper: Annealed, Size: 25x25 mm to 50x100 mm

RE000250 Thickness: **0.25mm**, Purity: 99.99%, Temper: Annealed, Size: 25x25 mm to 50x50 mm

RE000270 Thickness: **0.5mm**, Purity: 99.99%, Temper: Annealed, Size: 25x25 mm to 50x50 mm

RE000301 Thickness: **1.0mm**, Purity: 99.99%, Temper: Annealed, Diameter: 12 mm

RE000300 Thickness: **1.0mm**, Purity: 99.99%, Temper: Annealed, Size: 25x25 mm



Sputtering Target

RE009100 Thickness: **1.0mm**, Purity: 99.99%, Size: 50.8 mm

RE009106 Thickness: **1.6mm**, Purity: 99.99%, Size: 25.4 mm



Wire

RE005105 Diameter: **0.076mm**, Purity: 99.97%, Temper: Annealed

RE005106 Diameter: **0.10mm**, Purity: 99.97%, Temper: Annealed

RE005108 Diameter: **0.125mm**, Purity: 99.97%, Temper: Annealed

RE005110 Diameter: **0.15mm**, Purity: 99.97%, Temper: Annealed

RE005112 Diameter: **0.178mm**, Purity: 99.97%, Temper: Annealed

RE005115 Diameter: **0.2mm**, Purity: 99.97%, Temper: Annealed

RE005120 Diameter: **0.25mm**, Purity: 99.97%, Temper: Annealed

RE005125 Diameter: **0.3mm**, Purity: 99.97%, Temper: Annealed

RE005130 Diameter: **0.5mm**, Purity: 99.97%, Temper: Annealed

RE005140 Diameter: **1.0mm**, Purity: 99.97%, Temper: Annealed



Rod

RE007905 Diameter: **1.5mm**, Purity: 99.99%, Temper: Annealed, Length: 25 mm to 100 mm

RE007920 Diameter: **5.0mm**, Purity: 99.99%, Length: 25 mm to 50 mm

Metals

RE007922 Diameter: **6.35mm**, Purity: 99.99%, Length: 10 mm to 50 mm

RE007950 Diameter: **15.0mm**, Purity: 99.99%, Length: 25 mm



Powder

RE006011 Max. Particle size: **45micron**, Purity: 99.99%



Lump

RE006100 Max. Lump size: **15mm**, Purity: 99.99%, Condition: Pellets, Condition: Nominally 6mm thickness x 12mm diameter



Single Crystal

RE002111 Oriented: **(0001)**, Diameter: 8mm, Length: 1mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

RE002110 Oriented: **(0001)**, Diameter: 8mm, Length: 1mm, Purity: 99.999%, Condition: Unpolished

Rhodium (Rh)



Microfoil

RH004500 Thickness: **0.1μm**, Specific density: 124μg.cm⁻², Purity: 99.9%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm

RH004600 Thickness: **0.25μm**, Specific density: 310μg.cm⁻², Purity: 99.99%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm

RH004700 Thickness: **0.50μm**, Specific density: 620μg.cm⁻², Purity: 99.99%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm



Foil

RH000160 Thickness: **0.00025mm**, Purity: 99.9%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

RH000170 Thickness: **0.0005mm**, Purity: 99.85%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

RH000180 Thickness: **0.00075mm**, Purity: 99.85%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

RH000190 Thickness: **0.001mm**, Purity: 99.85%, Support: Permanent Polyester, Size: 25x25 mm to 50x50 mm

RH000203 Thickness: **0.006mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

RH000205 Thickness: **0.012mm**, Purity: 99.9%, Temper: As rolled, Size: 10x10 mm to 50x50 mm

RH000200 Thickness: **0.025mm**, Purity: 99.9%, Temper: As rolled, Size: 50x50 mm

RH000201 Thickness: **0.025mm**, Purity: 99.9%, Temper: As rolled, Condition: X-ray quality, Size: 25x25 mm

RH000210 Thickness: **0.05mm**, Purity: 99.9%, Temper: As rolled, Size: 15x15 mm to 50x50 mm

RH000212 Thickness: **0.05mm**, Purity: 99.9%, Temper: As rolled, Condition: X-ray quality, Size: 25x25 mm

RH000213 Thickness: **0.05mm**, Purity: 99.9%, Temper: As rolled, Condition: X-ray quality, Size: 50x50 mm

RH000220 Thickness: **0.075mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

RH000225 Thickness: **0.1mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

RH000230 Thickness: **0.125mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

RH000235 Thickness: **0.15mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

RH000250 Thickness: **0.25mm**, Purity: 99.9%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

RH000270 Thickness: **0.5mm**, Purity: 99.9%, Temper: As rolled, Diameter: 12 mm

RH000271 Thickness: **0.5mm**, Purity: 99.9%, Temper: As rolled, Size: 10x10 mm to 100x100 mm

RH000301 Thickness: **1.0mm**, Purity: 99.9%, Temper: As rolled, Diameter: 12 mm

RH000300 Thickness: **1.0mm**, Purity: 99.9%, Temper: As rolled, Size: 10x10 mm to 50x50 mm



Sputtering Target

RH009100 Thickness: **1.0mm**, Purity: 99.9%, Size: 25 mm to 50 mm

RH009301 Thickness: **3.0mm**, Purity: 99.9%, Size: 10 mm

RH009300 Thickness: **3.0mm**, Purity: 99.9%, Size: 31 mm



Wire

RH005105 Diameter: **0.12mm**, Purity: 99.9%, Temper: As drawn

RH005110 Diameter: **0.25mm**, Purity: 99.9%, Temper: Hard

RH005120 Diameter: **0.5mm**, Purity: 99.9%, Temper: As drawn

RH005130 Diameter: **1.0mm**, Purity: 99.9%, Temper: As drawn



Rod

RH007910 Diameter: **2.0mm**, Purity: 99.9%, Temper: As drawn, Length: 10 mm to 100 mm

RH007915 Diameter: **3.0mm**, Purity: 99.9%, Temper: As drawn, Length: 10 mm to 100 mm

RH007920 Diameter: **5.0mm**, Purity: 99.9%, Temper: As drawn, Length: 10 mm to 30 mm



Powder

RH006015 Max. Particle size: **45micron**, Purity: 99.9%



Lump

RH006100 Max. Lump size: **12mm**, Purity: 99.9%, Condition: Pellets



Single Crystal

RH002110 Oriented: **(100)**, Diameter: 8mm, Length: 1mm, Purity: 99.999%, Condition: Unpolished

Rubidium (Rb)



Lump

RB006100 Max. Lump size: **5mm**, Purity: 99.9%

Ruthenium (Ru)



Microfoil

RU004200 Thickness: **0.025μm**, Specific density: 30.5μg.cm⁻², Purity: 99.9%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm

RU004500 Thickness: **0.1μm**, Specific density: 122μg.cm⁻², Purity: 99.9%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm

Metals



Foil

RU000220 Thickness: **1.0mm**, Purity: 99.9%, Size: 6x6 mm to 50x50 mm

RU000250 Thickness: **3.0mm**, Purity: 99.9%, Size: 25x25 mm



Sputtering Target

RU0009100 Thickness: **2.0mm**, Purity: 99.9%, Size: 25 mm to 50 mm

RU0009200 Thickness: **3.0mm**, Purity: 99.9%, Size: 25 mm to 50 mm

RU0009600 Thickness: **6.35mm**, Purity: 99.9%, Size: 25.4 mm



Rod

RU0007910 Diameter: **12.7mm**, Purity: 99.9%, Length: 12.7 mm



Bar

RU0008010 Side Length: **2mm**, Side Length (of longer side): 2mm, Purity: 99.9%, Length: 25 mm to 50 mm



Powder

RU0006012 Max. Particle size: **450micron**, Purity: 99.9%

RU0006020 Max. Particle size: **850micron**, Purity: 99.9%



Lump

RU0006100 Max. Lump size: **10mm**, Purity: 99.9%, Condition: Pellets

RU0006101 Max. Lump size: **10mm**, Purity: 99.9%, Condition: Pellets



Single Crystal

RU0002130 Oriented: **(0001)**, Diameter: 10mm, Length: 5mm, Purity: 99.999%

RU0002111 Oriented: **(0001)**, Thickness: 1mm, Diameter: 8mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

RU0002110 Oriented: **(0001)**, Thickness: 1mm, Diameter: 8mm, Purity: 99.999%, Condition: Unpolished

RU0002121 Oriented: **(0001)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

RU0002120 Oriented: **(0001)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.999%, Condition: Unpolished

RU0002131 Oriented: **(0001)**, Diameter: 10mm, Length: 10mm, Purity: 99.999%

Samarium (Sm)



Foil

SM000205 Thickness: **0.005mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm

SM000200 Thickness: **0.025mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

SM000210 Thickness: **0.1mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

SM000220 Thickness: **0.2mm**, Purity: 99%, Temper: As rolled, Diameter: 15 mm

SM000230 Thickness: **0.25mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

SM000250 Thickness: **0.5mm**, Purity: 99%, Temper: As rolled, Diameter: 15 mm

SM000264 Thickness: **0.7mm**, Purity: 99%, Temper: As rolled, Diameter: 15 mm



Sputtering Target

SM0009100 Thickness: **1.0mm**, Purity: 99%, Size: 50 mm to 75 mm



Rod

SM0007910 Diameter: **6.35mm**, Purity: 99%, Condition: Cast, Length: 50 mm to 100 mm



Powder

SM0006010 Max. Particle size: **500micron**, Purity: 99.9%



Lump

SM0006100 Max. Lump size: **25mm**, Purity: 99.9%

Scandium (Sc)



Foil

SC000205 Thickness: **0.0125mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm

SC000200 Thickness: **0.025mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm

SC000210 Thickness: **0.1mm**, Tolerance: 20%, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

SC000211 Thickness: **0.12mm**, Purity: 99%, Temper: As rolled, Size: 24x25 mm

SC000230 Thickness: **0.3mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm



Powder

SC0006010 Max. Particle size: **250micron**, Purity: 99.9%



Lump

SC0006100 Max. Lump size: **25.4mm**, Purity: 96 + %

Selenium (Se)



Foil

SE000500 Thickness: **3mm**, Purity: 99.95%, Size: 25x25 mm



Sputtering Target

SE0009300 Thickness: **3mm**, Size: 50 mm



Powder

SE0006010 Max. Particle size: **250micron**, Purity: 99.95%



Lump

SE0006110 Max. Lump size: **3mm**, High Purity: 99.999%, Condition: Pellets

Silicon (Si)



Sheet

SI003050 Thickness: **0.38mm**, Purity: 99.999%, Condition: Single crystal, Diameter: 13 mm

SI003051 Thickness: **0.38mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (100), Electrical type: N-Type, Diameter: 15.9 mm

SI003052 Thickness: **0.38mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (111), Electrical type: N-Type, Diameter: 15.9 mm

SI003077 Thickness: **0.5mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (100), Electrical type: N-Type, Size: 10x10 mm

Metals

SI003075 Thickness: **0.5mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (110), Electrical type: P-type, Diameter: 50.8 mm

SI003076 Thickness: **0.5mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (110), Electrical type: P-type, Diameter: 101.6 mm

SI003078 Thickness: **0.6mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (100), Electrical type: N-Type, Size: 10x10 mm

SI003080 Thickness: **0.65mm**, Purity: 99.999%, Condition: Single crystal, Electrical type: P-type, Diameter: 79 mm

SI003103 Thickness: **1.0mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (111), Condition: Polished on 1 side, Size: 10x50 mm

SI003120 Thickness: **1.0mm**, Purity: 99.999%, Condition: Polycrystalline, Size: 25x25 mm

SI003100 Thickness: **1.0mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (100), Size: 14x14 mm to 25x25 mm

SI003101 Thickness: **1.0mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (111), Size: 14x14 mm

SI003105 Thickness: **1.0mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (110), Electrical type: P-type, Diameter: 50.8 mm

SI003121 Thickness: **1.0mm**, Purity: 99.999%, Condition: Polycrystalline, Size: 52x52 mm

SI003106 Thickness: **1.0mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (110), Electrical type: P-type, Diameter: 101.6 mm

SI003130 Thickness: **2.0mm**, Purity: 99.999%, Condition: Polycrystalline, Size: 35x55 mm

SI003140 Thickness: **3.0mm**, Purity: 99.999%, Condition: Single crystal, Electrical type: P-type, Size: 40x40 mm

SI003165 Thickness: **6.5mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (100), Electrical type: N-Type



Sputtering Target

SI009300 Thickness: **3.0mm**, Purity: 99.999%, Size: 25 mm to 75 mm

SI009400 Thickness: **4.0mm**, Purity: 99.999%, Size: 20.0 mm to 76.2 mm

SI009500 Thickness: **5.0mm**, Purity: 99.999%, Size: 76.2 mm

SI009600 Thickness: **6.0mm**, Purity: 99.999%, Size: 31 mm to 101.6 mm

SI009210 Thickness: **6.4mm**, Purity: 99.999%, Size: 101.6 mm

SI009211 Thickness: **6.4mm**, Purity: 99.999%, Size: 101.6 mm

SI009800 Thickness: **8.0mm**, Purity: 99.999%, Size: 90 mm



Rod

SI007905 Diameter: **2.0mm**, Purity: 99.999%, Condition: Crystalline, Length: 10 mm to 100 mm

SI007908 Diameter: **3.15mm**, Purity: 99.999%, Condition: Single crystal - Random orientation, Length: 25 mm to 50 mm

SI007915 Diameter: **5mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (100), Length: 50 mm

SI007916 Diameter: **5mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (111), Length: 50 mm

SI007910 Diameter: **5.0mm**, Purity: 99.999%, Condition: Crystalline, Length: 50 mm to 100 mm

SI007918 Diameter: **6mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (111), Length: 50 mm

SI007920 Diameter: **10.0mm**, Purity: 99.999%, Condition: Single crystal - Random orientation, Length: 100 mm

SI007926 Diameter: **12.7mm**, Purity: 99.999%, Condition: Single crystal - Random orientation, Length: 100 mm

SI007929 Diameter: **20mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (100), Electrical type: N-Type, Length: 80 mm

SI007930 Diameter: **20mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (100), Electrical type: P-type, Length: 40 mm to 80 mm

SI007931 Diameter: **20mm**, Purity: 99.999%, Condition: Single crystal, Oriented: (111), Length: 50 mm to 100 mm

SI007940 Diameter: **25mm**, Purity: 99.999%, Condition: Crystalline, Length: 100 mm

SI007941 Diameter: **25mm**, Purity: 99.999%, Condition: Single crystal, Length: 150 mm



Powder

SI006015 Max. Particle size: **45micron**, Purity: 99.5%

SI006031 Max. Particle size: **45micron**, Purity: 99.95%

SI006030 Max. Particle size: **45micron**, High Purity: 99.998%

SI006010 Max. Particle size: **150micron**, Purity: 97.5%



Lump

SI006103 Max. Lump size: **5mm**, Purity: 99.99%, Condition: Polycrystalline

SI006102 Max. Lump size: **25mm**, Purity: 99.95%, Condition: Polycrystalline

SI006101 Max. Lump size: **25mm**, Purity: 99.99%, Condition: Polycrystalline

SI006100 Max. Lump size: **25mm**, Purity: 99.9995%, Condition: Polycrystalline



Sphere

SI006805 Diameter: **0.48mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: 0.625 μm , Grade: Precision Sphere, Condition: Grade 25

SI006820 Diameter: **2.0mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: 0.625 μm , Grade: Precision Sphere, Condition: Grade 25



Single Crystal

SI002010 Oriented: **(100)**, Thickness: 0.38mm, Diameter: 76.2mm, Purity: 99.999%, Dopant: Phosphorus, Electrical type: N-Type

SI002012 Oriented: **(100)**, Thickness: 0.38mm, Diameter: 76.2mm, Purity: 99.999%, Dopant: Boron, Electrical type: P-type

SI002090 Oriented: **(100)**, Thickness: 2.0mm, Diameter: 76.2mm, Purity: 99.999%, Dopant: Phosphorus, Electrical type: N-Type

SI002015 Oriented: **(100)**, Thickness: 0.65mm, Diameter: 150mm, Purity: 99.999%, Dopant: Phosphorus, Electrical type: N-Type

SI002014 Oriented: **(111)**, Thickness: 0.4mm, Diameter: 50.8mm, Purity: 99.999%, Dopant: Phosphorus, Electrical type: N-Type

Metals

- SI002080** Oriented: **(111)**, Thickness: 1.0mm, Diameter: 57mm, Purity: 99.999%, Dopant: Boron, Electrical type: P-type
- SI002011** Oriented: **(111)**, Thickness: 0.38mm, Diameter: 76.2mm, Purity: 99.999%, Dopant: Phosphorus, Electrical type: N-Type
- SI002013** Oriented: **(111)**, Thickness: 0.38mm, Diameter: 76.2mm, Purity: 99.999%, Dopant: Boron, Electrical type: P-type
- SI002050** Oriented: **(111)**, Thickness: 0.50mm, Diameter: 76.2mm, Purity: 99.999%, Dopant: Phosphorus, Electrical type: N-Type
- SI002076** Oriented: **(111)**, Thickness: 0.75mm, Diameter: 76.2mm, Purity: 99.999%, Dopant: Phosphorus, Electrical type: N-Type
- SI002098** Oriented: **(111)**, Thickness: 10mm, Diameter: 90mm, Purity: 99.999%, Dopant: Phosphorus, Electrical type: N-Type

Silver (Ag)



Microfoil

- AG004500** Thickness: **0.1µm**, Specific density: 110µg.cm⁻², Purity: 99.95+%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm
- AG004600** Thickness: **0.25µm**, Specific density: 262.3µg.cm⁻², Purity: 99.95+%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm
- AG004700** Thickness: **0.5µm**, Specific density: 522.6µg.cm⁻², Purity: 99.95+%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm
- AG004850** Thickness: **1.0µm**, Specific density: 1098µg.cm⁻², Purity: 99.95+%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm



Foil

- AG000080** Thickness: **0.00075mm**, Purity: 99.97%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm
- AG000090** Thickness: **0.001mm**, Purity: 99.97%, Size: 25x25 mm to 50x50 mm
- AG000100** Thickness: **0.002mm**, Purity: 99.97%, Size: 25x25 mm to 100x100 mm
- AG000110** Thickness: **0.0025mm**, Purity: 99.97%, Size: 25x25 mm to 100x100 mm
- AG000215** Thickness: **0.003mm**, Purity: 99.9%, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- AG000120** Thickness: **0.004mm**, Purity: 99.97%, Size: 25x25 mm to 150x150 mm
- AG000130** Thickness: **0.005mm**, Purity: 99.97%, Size: 25x25 mm to 150x150 mm
- AG000140** Thickness: **0.006mm**, Purity: 99.97%, Size: 25x25 mm to 150x150 mm
- AG000150** Thickness: **0.007mm**, Purity: 99.97%, Size: 25x25 mm to 150x150 mm
- AG000218** Thickness: **0.008mm**, Purity: 99.95+%, Coil width 100 mm, Size: 25x25 mm to 100x100 mm
- AG000160** Thickness: **0.008mm**, Purity: 99.97%, Size: 25x25 mm to 150x150 mm
- AG000170** Thickness: **0.009mm**, Purity: 99.97%, Size: 25x25 mm to 150x150 mm
- AG000220** Thickness: **0.01mm**, Purity: 99.95+%, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

- AG000241** Thickness: **0.0125mm**, Coil width: 9mm, Purity: 99.95+%, Length: 0.5 m to 10 m
- AG000240** Thickness: **0.0125mm**, Purity: 99.95+%, Coil width 100 mm, Size: 25x25 mm to 100x100 mm
- AG000180** Thickness: **0.015mm**, Purity: 99.97%, Size: 50x50 mm to 150x150 mm
- AG000250** Thickness: **0.015mm**, Purity: 99.95+%, Coil width 210 mm, Size: 25x25 mm to 200x200 mm
- AG000190** Thickness: **0.02mm**, Purity: 99.97%, Size: 100x100 mm to 150x150 mm
- AG000260** Thickness: **0.025mm**, Purity: 99.95+%, Temper: As rolled, Coil width 100 mm, Size: 25x25 mm to 300x300 mm
- AG000270** Thickness: **0.025mm**, High Purity: 99.99+%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- AG000265** Thickness: **0.025mm**, Purity: 99.95+%, Temper: Annealed, Coil width 250 mm, Size: 25x25 mm to 250x300 mm
- AG000266** Thickness: **0.025mm**, Purity: 99.95+%, Temper: Annealed, Coil width 300 mm, Size: 150x150 mm to 300x300 mm
- AG000268** Thickness: **0.030mm**, Purity: 99.95+%, Temper: Annealed, Coil width 260 mm, Size: 260x300 mm
- AG000280** Thickness: **0.035mm**, Purity: 99.95+%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- AG000281** Thickness: **0.035mm**, Purity: 99.95+%, Temper: As rolled, Coil width 300 mm, Size: 300x300 mm
- AG000300** Thickness: **0.05mm**, Purity: 99.95+%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x300 mm
- AG000305** Thickness: **0.05mm**, Purity: 99.95+%, Temper: Annealed, Coil width 300 mm, Size: 50x50 mm to 300x300 mm
- AG000341** Thickness: **0.075mm**, Coil width: 0.40mm, Purity: 99.95+%, Temper: Annealed, Length: 0.2 m to 5 m
- AG000340** Thickness: **0.075mm**, Purity: 99.95+%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x300 mm
- AG000349** Thickness: **0.09mm**, Coil width: 101.6mm, Purity: 99.95+%, Temper: Annealed, Length: 0.1 m to 1 m
- AG000350** Thickness: **0.1mm**, Purity: 99.95+%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- AG000351** Thickness: **0.1mm**, Purity: 99.95+%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- AG000400** Thickness: **0.125mm**, Purity: 99.95+%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x300 mm
- AG000401** Thickness: **0.125mm**, Purity: 99.95+%, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x300 mm
- AG000360** Thickness: **0.125mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 150x150 mm
- AG000402** Thickness: **0.125mm**, Coil width: 300mm, Purity: 99.95+%, Temper: Annealed, Length: 0.3 m to 0.5 m
- AG000410** Thickness: **0.15mm**, Purity: 99.95+%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

Metals

AG000420 Thickness: **0.20mm**, Purity: 99.95 + %, Temper: As rolled, Size: 25x25 mm to 150x150 mm

AG000450 Thickness: **0.25mm**, Purity: 99.95 + %, Temper: As rolled, Size: 25x25 mm to 150x150 mm

AG000460 Thickness: **0.25mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 150x150 mm

AG000451 Thickness: **0.25mm**, Purity: 99.95 + %, Temper: As rolled, Condition: Flattened, Size: 250x300 mm to 300x1000 mm

AG000466 Thickness: **0.5mm**, Purity: 99.95 + %, Temper: As rolled, Diameter: 19 mm

AG000465 Thickness: **0.5mm**, Purity: 99.95 + %, Temper: As rolled, Size: 25x25 mm to 150x150 mm

AG000470 Thickness: **0.5mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 150x150 mm

AG000467 Thickness: **0.5mm**, Purity: 99.95 + %, Temper: As rolled, Condition: Flattened, Size: 50x50 mm to 100x200 mm

AG000468 Thickness: **0.5mm**, Purity: 99.95 + %, Temper: As rolled, Condition: Flattened, Size: 200x200 mm to 200x1000 mm

AG000475 Thickness: **1.0mm**, Purity: 99.95 + %, Temper: As rolled, Size: 25x25 mm to 150x150 mm

AG000480 Thickness: **1.0mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 150x150 mm

AG000501 Thickness: **2.0mm**, Purity: 99.95 + %, Temper: As rolled, Condition: Polished on 1 side, Size: 25x25 mm to 50x50 mm

AG000500 Thickness: **2.0mm**, Purity: 99.95 + %, Temper: As rolled, Size: 25x25 mm to 150x150 mm

AG000530 Thickness: **3mm**, Purity: 99.95 + %, Temper: As rolled, Size: 50x50 mm to 100x100 mm

AG000550 Thickness: **6mm**, Purity: 99.95 + %, Temper: As rolled, Size: 50x50 mm to 100x100 mm



Sputtering Target

AG009300 Thickness: **3.0mm**, Purity: 99.99%, Size: 25 mm to 75 mm

AG009500 Thickness: **5.0mm**, Purity: 99.99%, Size: 31 mm

AG009600 Thickness: **6.0mm**, Purity: 99.99%, Size: 25 mm to 75 mm



Mesh

AG008710 Nominal Aperture: **0.25mm**, Wire diameter: 0.06mm, Wires/inch: 82x82, Open area: 65%, Type: Plain weave mesh, Size: 20x20 mm to 100x100 mm



Wire

AG005102 Diameter: **0.0125mm**, Purity: 99.99%, Temper: Hard

AG005104 Diameter: **0.015mm**, Purity: 99.99%, Temper: Hard

AG005106 Diameter: **0.015mm**, Purity: 99.99%, Temper: Annealed

AG005105 Diameter: **0.025mm**, Purity: 99.99%, Temper: As drawn

AG005107 Diameter: **0.025mm**, Purity: 99.99%, Temper: Annealed

AG005220 Diameter: **0.050mm**, Purity: 99.99%, Condition: Gold plated wire

AG005110 Diameter: **0.05mm**, Purity: 99.99%, Temper: Annealed

AG005113 Diameter: **0.075mm**, Purity: 99.99%, Temper: As drawn

AG005116 Diameter: **0.1mm**, Purity: 99.99%, Temper: As drawn

AG005120 Diameter: **0.125mm**, Purity: 99.99%, Temper: Annealed

AG005124 Diameter: **0.15mm**, Purity: 99.99%, Temper: As drawn

AG005127 Diameter: **0.20mm**, Purity: 99.99%, Temper: As drawn

AG005140 Diameter: **0.25mm**, High Purity: 99.997%, Temper: As drawn

AG005130 Diameter: **0.25mm**, Purity: 99.99%, Temper: Annealed

AG005145 Diameter: **0.35mm**, Purity: 99.99%, Temper: Annealed

AG005150 Diameter: **0.5mm**, Purity: 99.99%, Temper: Annealed

AG005155 Diameter: **0.8mm**, Purity: 99.99%, Temper: As drawn

AG005160 Diameter: **1.0mm**, Purity: 99.99%, Temper: Annealed

AG005170 Diameter: **2.0mm**, Purity: 99.99%, Temper: Annealed



Insulated Wire

AG005816 Conductor diameter: **0.025mm**, Insulation thickness: 0.005mm, Purity: 99.99%, Insulation: Polyurethane

AG005815 Conductor diameter: **0.025mm**, Insulation thickness: 0.005mm, Purity: 99.99%, Insulation: Polyester

AG005820 Conductor diameter: **0.04mm**, Insulation thickness: 0.007mm, Purity: 99.99%, Insulation: Polyester, Condition: Butyral bond coating 0.005 mm thick

AG005825 Conductor diameter: **0.05mm**, Insulation thickness: 0.0075mm, Purity: 99.99%, Insulation: Polyester

AG005810 Conductor diameter: **0.075mm**, Insulation thickness: 0.010mm, Purity: 99.99%, Insulation: PTFE (Polytetrafluoroethylene)

AG005811 Conductor diameter: **0.075mm**, Insulation thickness: 0.010mm, Purity: 99.99%, Insulation: Nylon

AG005842 Conductor diameter: **0.125mm**, Insulation thickness: 0.0125mm, Purity: 99.9%, Insulation: Polyimide

AG005840 Conductor diameter: **0.125mm**, Insulation thickness: 0.0125mm, Purity: 99.99%, Insulation: Polyester

AG005845 Conductor diameter: **0.125mm**, Insulation thickness: 0.015mm, Purity: 99.99%, Insulation: PTFE (Polytetrafluoroethylene)

AG005856 Conductor diameter: **0.25mm**, Insulation thickness: 0.005mm, Purity: 99.99%, Insulation: Polyurethane

AG005860 Conductor diameter: **0.25mm**, Insulation thickness: 0.015mm, Purity: 99.99%, Insulation: Epoxy

AG005850 Conductor diameter: **0.25mm**, Insulation thickness: 0.023mm, Purity: 99.99%, Insulation: Polyester

AG005855 Conductor diameter: **0.25mm**, Insulation thickness: 0.024mm, Purity: 99.99%, Insulation: PTFE (Polytetrafluoroethylene)

Metals



Rod

- AG007902** Diameter: **1.0mm**, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- AG007905** Diameter: **1.5mm**, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- AG007910** Diameter: **2.0mm**, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- AG007912** Diameter: **3.0mm**, High Purity: 99.997%, Temper: As drawn, Length: 100 mm to 1000 mm
- AG007915** Diameter: **3.5mm**, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- AG007920** Diameter: **5.0mm**, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- AG007928** Diameter: **6.0mm**, Purity: 99.95 + %, Temper: As drawn, Length: 50 mm to 500 mm
- AG007936** Diameter: **7.0mm**, Purity: 99.95 + %, Temper: As drawn, Length: 50 mm to 500 mm
- AG007935** Diameter: **7.0mm**, High Purity: 99.99%, Temper: As drawn, Length: 50 mm to 500 mm
- AG007938** Diameter: **8.0mm**, Purity: 99.95 + %, Temper: As drawn, Length: 50 mm to 500 mm
- AG007940** Diameter: **10.0mm**, Purity: 99.95 + %, Temper: As drawn, Length: 25 mm to 200 mm
- AG007942** Diameter: **12.7mm**, Purity: 99.95 + %, Temper: As drawn, Length: 25 mm to 200 mm
- AG007945** Diameter: **16mm**, Purity: 99.95 + %, Temper: As drawn, Length: 25 mm to 100 mm
- AG007950** Diameter: **20.0mm**, Purity: 99.95 + %, Temper: As drawn, Length: 25 mm to 100 mm
- AG007955** Diameter: **25mm**, Purity: 99.95 + %, Temper: As drawn, Length: 25 mm to 100 mm
- AG007958** Diameter: **35mm**, Purity: 99.95 + %, Temper: As drawn, Length: 25 mm to 100 mm
- AG007959** Diameter: **40.0mm**, Purity: 99.95 + %, Temper: As drawn, Length: 12 mm to 50 mm
- AG007960** Diameter: **50.0mm**, Purity: 99.95 + %, Temper: As drawn, Length: 25 mm to 100 mm



Tube

- AG007050** Outside Diameter: **0.7mm**, Wall Thickness: 0.2mm, Inside Diameter: 0.3mm, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- AG007100** Outside Diameter: **1.1mm**, Wall Thickness: 0.175mm, Inside Diameter: 0.75mm, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- AG007130** Outside Diameter: **1.64mm**, Wall Thickness: 0.275mm, Inside Diameter: 1.09mm, Purity: 99.95 + %, Temper: As drawn, Length: 16.5 mm
- AG007150** Outside Diameter: **1.75mm**, Wall Thickness: 0.1mm, Inside Diameter: 1.55mm, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- AG007200** Outside Diameter: **2.0mm**, Wall Thickness: 0.2mm, Inside Diameter: 1.6mm, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- AG007220** Outside Diameter: **2.8mm**, Wall Thickness: 0.15mm, Inside Diameter: 2.5mm, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm

- AG007230** Outside Diameter: **3.5mm**, Wall Thickness: 0.23mm, Inside Diameter: 3.04mm, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- AG007250** Outside Diameter: **4.65mm**, Wall Thickness: 0.25mm, Inside Diameter: 4.15mm, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- AG007251** Outside Diameter: **4.65mm**, Wall Thickness: 0.21mm, Inside Diameter: 4.23mm, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- AG007260** Outside Diameter: **5.0mm**, Wall Thickness: 0.25mm, Inside Diameter: 4.5mm, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- AG007300** Outside Diameter: **6.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 4mm, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 1000 mm
- AG007325** Outside Diameter: **7.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 6mm, Purity: 99.95 + %, Temper: As drawn, Length: 100 mm to 500 mm
- AG007335** Outside Diameter: **8.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 5.0mm, Purity: 99.95 + %, Temper: As drawn, Length: 50 mm to 500 mm
- AG007400** Outside Diameter: **8.0x5.0mm**, Wall Thickness: 1mm, Inside Diameter: 6x3mm, Purity: 99.95 + %, Condition: Rectangular section, Length: 100 mm to 500 mm
- AG007350** Outside Diameter: **10mm**, Wall Thickness: 1.0mm, Inside Diameter: 8mm, Purity: 99.95 + %, Temper: As drawn, Length: 50 mm to 500 mm
- AG007380** Outside Diameter: **12.7mm**, Wall Thickness: 0.5mm, Inside Diameter: 11.7mm, Purity: 99.95 + %, Temper: As drawn, Length: 50 mm to 500 mm



Powder

- AG006030** Max. Particle size: **2micron**, Purity: 99.97 + %
- AG006023** Max. Particle size: **45micron**, Purity: 99.99%



Lump

- AG006100** Max. Lump size: **3mm**, High Purity: 99.999%, Condition: Shot
- AG006105** Max. Lump size: **6mm**, Purity: 99.99%, Condition: Pellets
- AG006110** Max. Lump size: **10mm**, Purity: 99.99%, Condition: Shot
- AG006106** Max. Lump size: **20mm**, Purity: 99.99%, Condition: Pellets



Sphere

- AG006840** Diameter: **0.5mm**, Tolerance: $\pm 50\mu\text{m}$, Grade: Precision Sphere



Single Crystal

- AG002113** Oriented: **(100)**, Diameter: 12.7mm, Length: 2mm, Purity: 99.999%, Condition: Unpolished
- AG002118** Oriented: **(100)**, Diameter: 12mm, Length: 5mm, Purity: 99.999%
- AG002111** Oriented: **(100)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron
- AG002110** Oriented: **(100)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.999%, Condition: Unpolished

Metals

- AG002119** Oriented: **(100)**, Diameter: 12mm, Length: 10mm, Purity: 99.999%
- AG002114** Oriented: **(100)**, Thickness: 3mm, Diameter: 12.7mm, Purity: 99.999%, Condition: Unpolished
- AG002120** Oriented: **(100)**, Diameter: 12mm, Length: 25mm, Purity: 99.999%
- AG002121** Oriented: **(100)**, Diameter: 12mm, Length: 50mm, Purity: 99.999%
- AG002151** Oriented: **(110)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron
- AG002150** Oriented: **(110)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.999%, Condition: Unpolished
- AG002131** Oriented: **(111)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron
- AG002130** Oriented: **(111)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.999%, Condition: Unpolished
- AG002160** Oriented: **(111)**, Diameter: 10mm, Length: 25mm, Purity: 99.999%
- AG002141** Oriented: **(220)**, Diameter: 10mm, Length: 2mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron
- AG002140** Oriented: **(220)**, Diameter: 10mm, Length: 2mm, Purity: 99.999%, Condition: Unpolished

Sodium (Na)



Lump

- NA006100** Max. Lump size: **200mm**, Condition: Sticks, Packing Note: Packed in Oil

Tantalum (Ta)



Microfoil

- TA004500** Thickness: **0.1μm**, Specific density: 166μg.cm⁻², Purity: 99.9%, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm



Foil

- TA000070** Thickness: **0.0005mm**, Purity: 99.9%, Size: 25x25 mm
- TA000080** Thickness: **0.001mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm
- TA000090** Thickness: **0.0015mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm
- TA000200** Thickness: **0.0015mm**, Purity: 99.9%, Size: 20x25 mm to 47x82 mm
- TA000100** Thickness: **0.002mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm
- TA000110** Thickness: **0.0025mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm
- TA000120** Thickness: **0.003mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm
- TA000130** Thickness: **0.004mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm
- TA000140** Thickness: **0.005mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm
- TA000260** Thickness: **0.006mm**, Purity: 99.9%, Coil width 82 mm, Size: 25x25 mm to 82x100 mm
- TA000280** Thickness: **0.0075mm**, Purity: 99.9%, Coil width 108 mm, Size: 25x25 mm to 100x100 mm
- TA000285** Thickness: **0.009mm**, Purity: 99.9%, Coil width 108 mm, Size: 25x25 mm to 100x100 mm
- TA000290** Thickness: **0.01mm**, Purity: 99.9%, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

- TA000300** Thickness: **0.0125mm**, Purity: 99.9%, Coil width 200 mm, Size: 200x200 mm
- TA000320** Thickness: **0.015mm**, Purity: 99.9%, Coil width 120 mm, Size: 25x25 mm to 100x100 mm
- TA000340** Thickness: **0.02mm**, Coil width: 1.0mm, Purity: 99.9%, Temper: Annealed, Length: 0.1 m
- TA000190** Thickness: **0.02mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm
- TA000352** Thickness: **0.025mm**, Coil width: 0.75mm, Purity: 99.9%, Temper: Annealed, Length: 0.5 m to 10 m
- TA000350** Thickness: **0.025mm**, Purity: 99.9%, Temper: Annealed, Diameter: 15 mm
- TA000349** Thickness: **0.025mm**, Purity: 99.9%, Temper: As rolled, Coil width 120 mm, Size: 25x25 mm to 120x120 mm
- TA000353** Thickness: **0.03mm**, Coil width: 0.75mm, Purity: 99.9%, Temper: Annealed, Length: 0.5 m to 10 m
- TA000346** Thickness: **0.03mm**, Coil width: 1.0mm, Purity: 99.9%, Temper: Annealed, Length: 0.1 m
- TA000354** Thickness: **0.03mm**, Coil width: 1.2mm, Purity: 99.9%, Temper: Annealed, Length: 0.1 m to 2 m
- TA000348** Thickness: **0.03mm**, Tolerance: 20 %, Purity: 99.9%, Temper: As rolled, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
- TA000347** Thickness: **0.034mm**, Tolerance: 20 %, Purity: 99.9%, Temper: As rolled, Coil width 190 mm, Size: 25x25 mm to 150x150 mm
- TA000356** Thickness: **0.04mm**, Coil width: .65mm, Purity: 99.9%, Temper: As rolled, Length: 0.5 m to 10 m
- TA000355** Thickness: **0.04mm**, Coil width: 0.7mm, Purity: 99.9%, Temper: Annealed, Length: 0.5 m to 10 m
- TA000357** Thickness: **0.04mm**, Coil width: 1mm, Purity: 99.9%, Temper: Annealed, Length: 0.2 m to 10 m
- TA000360** Thickness: **0.05mm**, Purity: 99.9%, Temper: Annealed, Coil width 152.4 mm, Size: 25x25 mm to 150x300 mm
- TA000384** Thickness: **0.075mm**, Tolerance: 15%, Purity: 99.9%, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 150x300 mm
- TA000411** Thickness: **0.1mm**, Coil width: .62mm, Purity: 99.9%, Temper: As rolled, Length: 0.1 m to 2 m
- TA000410** Thickness: **0.100mm**, Purity: 99.9%, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 150x150 mm
- TA000424** Thickness: **0.125mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 150x150 mm
- TA000450** Thickness: **0.15mm**, Tolerance: 20 %, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 150x150 mm
- TA000451** Thickness: **0.15mm**, Coil width: 305mm, Tolerance: 20 %, Purity: 99.9%, Temper: Annealed, Length: 0.2 m to 2 m
- TA000452** Thickness: **0.15mm**, Tolerance: 20 %, Purity: 99.9%, Temper: Annealed, Condition: Flattened, Size: 100x100 mm to 300x300 mm
- TA000460** Thickness: **0.20mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 100x100 mm
- TA000461** Thickness: **0.20mm**, Purity: 99.9%, Temper: Annealed, Size: 150x150 mm to 300x400 mm
- TA000470** Thickness: **0.25mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 100x100 mm

Metals

- TA000471** Thickness: **0.25mm**, Purity: 99.9%, Temper: Annealed, Size: 150x150 mm to 300x1000 mm
- TA000472** Thickness: **0.25mm**, Purity: 99.99%, Temper: Annealed, Size: 25x25 mm to 100x100 mm
- TA000475** Thickness: **0.30mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 100x100 mm
- TA000479** Thickness: **0.5mm**, Purity: 99.9%, Temper: Annealed, Condition: Polished on 1 side, Diameter: 20 mm
- TA000480** Thickness: **0.5mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 100x100 mm
- TA000483** Thickness: **0.5mm**, Purity: 99.9%, Temper: Annealed, Condition: Polished on both sides, Size: 50x50 mm to 100x100 mm
- TA000481** Thickness: **0.5mm**, Purity: 99.9%, Temper: Annealed, Size: 150x150 mm to 500x1000 mm
- TA000482** Thickness: **0.5mm**, Purity: 99.99%, Temper: Annealed, Size: 25x25 mm to 100x100 mm
- TA000485** Thickness: **0.75mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 100x100 mm
- TA000486** Thickness: **0.75mm**, Purity: 99.9%, Temper: Annealed, Size: 150x150 mm to 500x1000 mm
- TA000490** Thickness: **1.0mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 100x100 mm
- TA000491** Thickness: **1.0mm**, Purity: 99.9%, Temper: Annealed, Size: 150x150 mm to 500x1000 mm
- TA000520** Thickness: **1.5mm**, Purity: 99.9%, Temper: Annealed, Size: 50x50 mm to 100x100 mm
- TA000521** Thickness: **1.5mm**, Purity: 99.9%, Temper: Annealed, Size: 150x150 mm to 500x1000 mm
- TA000556** Thickness: **2.0mm**, Temper: Annealed, Purity: 99.995%, Size: 25x25 mm to 50x50 mm
- TA000555** Thickness: **2.0mm**, High Purity: 99.999%, Size: 25x25 mm to 50x50 mm
- TA000550** Thickness: **2.0mm**, Purity: 99.9%, Temper: Annealed, Size: 25x25 mm to 100x100 mm
- TA000552** Thickness: **2.0mm**, Purity: 99.9%, Temper: Annealed, Diameter: 30 mm
- TA000551** Thickness: **2.0mm**, Purity: 99.9%, Temper: Annealed, Size: 150x150 mm to 500x1000 mm
- TA000580** Thickness: **3.0mm**, Purity: 99.9%, Temper: Annealed, Size: 50x50 mm to 300x300 mm
- TA000581** Thickness: **3.0mm**, Purity: 99.9%, Temper: Annealed, Size: 500x500 mm
- TA000585** Thickness: **4.0mm**, Purity: 99.9%, Temper: Annealed, Size: 50x50 mm to 100x100 mm
- TA000586** Thickness: **5.0mm**, Purity: 99.9%, Temper: Annealed, Size: 50x50 mm to 100x100 mm
- TA000590** Thickness: **6.0mm**, Purity: 99.9%, Size: 50x50 mm to 150x150 mm



Sputtering Target

- TA009300** Thickness: **3.0mm**, Purity: 99.9%, Size: 25.4 mm to 75 mm
- TA009600** Thickness: **6.0mm**, Purity: 99.9%, Size: 25.4 mm to 76.2 mm



Mesh

- TA008710** Nominal Aperture: **0.43mm**, Wire diameter: 0.075mm, Wires/inch: 50x50, Open area: 72%, Type: Plain weave mesh, Size: 40x40 mm to 150x150 mm



Wire

- TA005100** Diameter: **0.025mm**, Purity: 99.9%, Temper: As drawn
- TA005110** Diameter: **0.05mm**, Purity: 99.9%, Temper: Annealed
- TA005120** Diameter: **0.125mm**, Purity: 99.9%, Temper: Annealed
- TA005130** Diameter: **0.25mm**, Purity: 99.9%, Temper: Annealed
- TA005135** Diameter: **0.30mm**, Purity: 99.9%, Temper: Annealed
- TA005140** Diameter: **0.40mm**, Purity: 99.9%, Temper: Annealed
- TA005150** Diameter: **0.5mm**, Purity: 99.9%, Temper: Annealed
- TA005350** Diameter: **0.5mm**, Purity: 99.9%, Temper: Annealed, Condition: Straight wire
- TA005152** Diameter: **0.6mm**, Purity: 99.9%
- TA005155** Diameter: **0.8mm**, Purity: 99.9%, Temper: Annealed
- TA005160** Diameter: **1.0mm**, Purity: 99.9%, Temper: Annealed



Rod

- TA007910** Diameter: **1.0mm**, Purity: 99.9%, Length: 100 mm to 1000 mm
- TA007915** Diameter: **1.5mm**, Purity: 99.9%, Temper: Annealed, Length: 100 mm to 1000 mm
- TA007917** Diameter: **1.7mm**, Purity: 99.9%, Temper: Annealed, Length: 100 mm to 1000 mm
- TA007920** Diameter: **2.0mm**, Purity: 99.9%, Temper: Annealed, Length: 100 mm to 1000 mm
- TA007924** Diameter: **2.5mm**, Purity: 99.9%, Temper: Annealed, Length: 100 mm to 1000 mm
- TA007926** Diameter: **3.0mm**, Purity: 99.9%, Temper: Annealed, Length: 100 mm to 500 mm
- TA007930** Diameter: **5.0mm**, Purity: 99.9%, Temper: Annealed, Length: 100 mm to 500 mm
- TA007935** Diameter: **6.35mm**, Purity: 99.9%, Temper: Annealed, Length: 50 mm to 200 mm
- TA007940** Diameter: **10.0mm**, Purity: 99.9%, Temper: Annealed, Length: 50 mm to 200 mm
- TA007941** Diameter: **10.0mm**, Purity: 99.9%, Condition: Forged, Temper: Unannealed, Length: 50 mm to 200 mm
- TA007942** Diameter: **12.7mm**, Purity: 99.9%, Temper: Annealed, Length: 50 mm to 200 mm
- TA007945** Diameter: **16mm**, Purity: 99.9%, Temper: As drawn, Length: 25 mm to 100 mm
- TA007948** Diameter: **18mm**, Purity: 99.9%, Temper: Annealed, Length: 25 mm to 100 mm
- TA007950** Diameter: **20.0mm**, Purity: 99.9%, Temper: Annealed, Length: 25 mm to 200 mm
- TA007955** Diameter: **25mm**, Purity: 99.9%, Length: 100 mm
- TA007961** Diameter: **30mm**, Purity: 99.9%, Temper: Annealed, Length: 25 mm to 500 mm
- TA007960** Diameter: **30.0mm**, Purity: 99.9%, Condition: Forged, Temper: Unannealed, Length: 25 mm to 50 mm
- TA007970** Diameter: **40.0mm**, Purity: 99.9%, Condition: Forged, Temper: Unannealed, Length: 50 mm to 200 mm

Metals

TA007972 Diameter: **50mm**, Purity: 99.9%, Temper: Annealed, Length: 100 mm

TA007975 Diameter: **75mm**, Purity: 99.9%, Temper: Annealed, Length: 100 mm

TA007995 Diameter: **100mm**, Purity: 99.9%, Length: 100 mm



Tube

TA007030 Outside Diameter: **0.31mm**, Wall Thickness: 0.06mm, Inside Diameter: 0.19mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm

TA007050 Outside Diameter: **0.51mm**, Wall Thickness: 0.15mm, Inside Diameter: 0.21mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm

TA007055 Outside Diameter: **0.80mm**, Wall Thickness: 0.15mm, Inside Diameter: 0.50mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm

TA007060 Outside Diameter: **1.02mm**, Wall Thickness: 0.08mm, Inside Diameter: 0.86mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 500 mm

TA007070 Outside Diameter: **1.05mm**, Wall Thickness: 0.2mm, Inside Diameter: 0.65mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm

TA007080 Outside Diameter: **1.1mm**, Wall Thickness: 0.2mm, Inside Diameter: 0.70mm, Purity: 99.9%, Temper: Annealed, Length: 100 mm to 500 mm

TA007100 Outside Diameter: **2.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 1mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm

TA007090 Outside Diameter: **2.0mm**, Wall Thickness: 0.3mm, Inside Diameter: 1.4mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm

TA007095 Outside Diameter: **2.1mm**, Wall Thickness: 0.25mm, Inside Diameter: 1.6mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm

TA007105 Outside Diameter: **2.35mm**, Wall Thickness: 0.5mm, Inside Diameter: 1.35mm, Purity: 99.9%, Temper: As drawn, Length: 1000 mm

TA007200 Outside Diameter: **3.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 2mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm

TA007220 Outside Diameter: **3.1mm**, Wall Thickness: 0.25mm, Inside Diameter: 2.6mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm

TA007240 Outside Diameter: **3.4mm**, Wall Thickness: 0.1mm, Inside Diameter: 3.2mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 500 mm

TA007250 Outside Diameter: **3.5mm**, Wall Thickness: 0.2mm, Inside Diameter: 3.1mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm

TA007300 Outside Diameter: **5.0mm**, Wall Thickness: 0.3mm, Inside Diameter: 4.4mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 500 mm

TA007320 Outside Diameter: **6.35mm**, Wall Thickness: 1mm, Inside Diameter: 4.35mm, Purity: 99.9%, Temper: As drawn, Length: 50 mm to 200 mm

TA007360 Outside Diameter: **7.0mm**, Wall Thickness: 0.25mm, Inside Diameter: 6.52mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm

TA007350 Outside Diameter: **7.0mm**, Wall Thickness: 0.15mm, Inside Diameter: 6.7mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm

TA007450 Outside Diameter: **8.0mm**, Wall Thickness: 2mm, Inside Diameter: 4.0mm, Purity: 99.9%, Temper: Annealed, Length: 50 mm to 100 mm

TA007501 Outside Diameter: **8.7mm**, Wall Thickness: 0.18mm, Inside Diameter: 8.34mm, Purity: 99.9%, Temper: As drawn, Length: 100 mm to 1000 mm

TA007530 Outside Diameter: **9.5mm**, Wall Thickness: 0.5mm, Inside Diameter: 8.5mm, Purity: 99.9%, Temper: As drawn, Length: 50 mm to 200 mm

TA007550 Outside Diameter: **10.0mm**, Wall Thickness: 0.8mm, Inside Diameter: 8.4mm, Purity: 99.9%, Temper: As drawn, Length: 50 mm to 200 mm

TA007600 Outside Diameter: **12.7mm**, Wall Thickness: 0.5mm, Inside Diameter: 11.7mm, Purity: 99.9%, Temper: Annealed, Length: 50 mm to 200 mm

TA007800 Outside Diameter: **20mm**, Wall Thickness: 0.5mm, Inside Diameter: 19mm, Purity: 99.9%, Length: 120 mm to 1000 mm



Bolt

TA00BO30 Size: **M3 x 10mm**, Head Style: Hexagonal, Pitch: 0.5mm, Standard: ISO 4017:2011, Quantity: 10 pcs

TA00BO35 Size: **M3 x 30mm**, Head Style: Hexagonal, Pitch: 0.5mm, Standard: ISO 4017:2011, Quantity: 10 pcs

TA00BO38 Size: **M3 x 50mm**, Head Style: Hexagonal, Pitch: 0.5mm, Standard: ISO 4017:2011, Quantity: 10 pcs

TA00BO40 Size: **M4 x 10mm**, Head Style: Hexagonal, Pitch: 0.7mm, Standard: ISO 4017:2011, Quantity: 10 pcs

TA00BO45 Size: **M4 x 30mm**, Head Style: Hexagonal, Pitch: 0.7mm, Standard: ISO 4017:2011, Quantity: 10 pcs

TA00BO48 Size: **M4 x 50mm**, Head Style: Hexagonal, Pitch: 0.7mm, Standard: ISO 4017:2011, Quantity: 10 pcs

TA00BO50 Size: **M5 x 10mm**, Head Style: Hexagonal, Pitch: 0.8mm, Standard: ISO 4017:2011, Quantity: 10 pcs

TA00BO55 Size: **M5 x 30mm**, Head Style: Hexagonal, Pitch: 0.8mm, Standard: ISO 4017:2011, Quantity: 10 pcs

TA00BO58 Size: **M5 x 50mm**, Head Style: Hexagonal, Pitch: 0.8mm, Standard: ISO 4017:2011, Quantity: 10 pcs

TA00BO60 Size: **M6 x 10mm**, Head Style: Hexagonal, Pitch: 1.0mm, Standard: ISO 4017:2011, Quantity: 10 pcs

TA00BO65 Size: **M6 x 30mm**, Head Style: Hexagonal, Pitch: 1.0mm, Standard: ISO 4017:2011, Quantity: 10 pcs

TA00BO68 Size: **M6 x 50mm**, Head Style: Hexagonal, Pitch: 1.0mm, Standard: ISO 4017:2011, Quantity: 10 pcs



Nut

TA00NU03 Size: **M3**, Style: Hexagonal, Pitch: 0.5mm, Standard: ISO 4032:2012, Quantity: 10 pcs

TA00NU04 Size: **M4**, Style: Hexagonal, Pitch: 0.7mm, Standard: ISO 4032:2012, Quantity: 10 pcs

Metals

TA00NU05 Size: **M5**, Style: Hexagonal, Pitch: 0.8mm, Standard: ISO 4032:2012, Quantity: 10 pcs

TA00NU06 Size: **M6**, Style: Hexagonal, Pitch: 1.0mm, Standard: ISO 4032:2012, Quantity: 10 pcs



Washer

TA00WA03 Size: **M3**, Outside Diameter: 6.64 - 7.00mm, Inside Diameter: 3.20 - 3.38mm, Thickness: 0.45 - 0.55mm, Standard: ISO 7089:2000, Quantity: 10 pcs

TA00WA04 Size: **M4**, Outside Diameter: 8.64 - 9.00mm, Inside Diameter: 4.30 - 4.48mm, Thickness: 0.70 - 0.90mm, Standard: ISO 7089:2000, Quantity: 10 pcs

TA00WA05 Size: **M5**, Outside Diameter: 9.64 - 10.00mm, Inside Diameter: 5.30 - 5.48mm, Thickness: 0.90 - 1.10mm, Standard: ISO 7089:2000, Quantity: 10 pcs

TA00WA06 Size: **M6**, Outside Diameter: 11.57 - 12.00mm, Inside Diameter: 6.40 - 6.62mm, Thickness: 1.40 - 1.80mm, Standard: ISO 7089:2000, Quantity: 10 pcs



Crucible

TA008605 Shape: **Cylindrical**, Outside Diameter: 21mm, Inside Diameter: 20mm, Height: 19mm, Capacity: 5ml, Quantity: : 1 pcs

TA008610 Shape: **Cylindrical**, Outside Diameter: 27mm, Inside Diameter: 26mm, Height: 22mm, Capacity: 10ml, Quantity: : 1 pcs

TA008625 Shape: **Cylindrical**, Outside Diameter: 47mm, Inside Diameter: 46mm, Height: 22mm, Capacity: 25ml, Quantity: : 1 pcs

TA008635 Shape: **Cylindrical**, Outside Diameter: 47mm, Inside Diameter: 46mm, Height: 29mm, Capacity: 35ml, Quantity: : 1 pcs

TA008645 Shape: **Cylindrical**, Outside Diameter: 47mm, Inside Diameter: 46mm, Height: 34mm, Capacity: 45ml, Quantity: : 1 pcs

TA008655 Shape: **Cylindrical**, Outside Diameter: 47mm, Inside Diameter: 46mm, Height: 41mm, Capacity: 55ml, Quantity: : 1 pcs

TA008680 Shape: **Cylindrical**, Outside Diameter: 59mm, Inside Diameter: 58mm, Height: 45mm, Capacity: 100ml, Quantity: : 1 pcs

TA008695 Shape: **Cylindrical**, Outside Diameter: 127mm, Inside Diameter: 125.5mm, Height: 89mm, Capacity: 1000ml, Quantity: : 1 pcs



Powder

TA006016 Mean Particle size (FSSS): **1-3micron**, Purity: 99.9%

TA006030 Max. Particle size: **75micron**, Purity: 99.9%

TA006015 Max. Particle size: **150micron**, Min. Particle size: 45micron, Purity: 99.9%

TA006010 Max. Particle size: **350micron**, Min. Particle size: 45micron, Purity: 99.9%



Lump

TA006100 Max. Lump size: **10mm**, Purity: 99.9%, Condition: Pellets



Sphere

TA006810 Diameter: **1.0mm**, Tolerance: $\pm 25\mu\text{m}$, Purity: 99.9%, Grade: Precision Sphere



Single Crystal

TA002106 Oriented: **(100)**, Diameter: 10mm, Length: 2mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

TA002105 Oriented: **(100)**, Diameter: 10mm, Length: 2mm, Purity: 99.999%, Condition: Unpolished

TA002107 Oriented: **(100)**, Diameter: 18mm, Length: 2mm, Purity: 99.999%, Condition: Unpolished

TA002119 Oriented: **(100)**, Diameter: 12mm, Length: 10mm, Purity: 99.999%

TA002120 Oriented: **(100)**, Diameter: 12mm, Length: 25mm, Purity: 99.999%

TA002121 Oriented: **(100)**, Diameter: 12mm, Length: 50mm, Purity: 99.999%

TA002112 Oriented: **(110)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.999%, Condition: Unpolished

TA002113 Oriented: **(110)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

TA002059 Oriented: **(110)**, Diameter: 6mm, Length: 10mm, Purity: 99.999%

TA002109 Oriented: **(110)**, Diameter: 12mm, Length: 10mm, Purity: 99.999%

TA002114 Oriented: **(110)**, Thickness: 2mm, Diameter: 12mm, Purity: 99.999%, Condition: Unpolished

TA002115 Oriented: **(110)**, Thickness: 2mm, Diameter: 12mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

TA002060 Oriented: **(110)**, Diameter: 6mm, Length: 25mm, Purity: 99.999%

TA002110 Oriented: **(110)**, Diameter: 12mm, Length: 25mm, Purity: 99.999%

TA002061 Oriented: **(110)**, Diameter: 6mm, Length: 50mm, Purity: 99.999%

TA002111 Oriented: **(110)**, Diameter: 12mm, Length: 50mm, Purity: 99.999%

TA002132 Oriented: **(111)**, Diameter: 10mm, Length: 2mm, Purity: 99.999%

TA002133 Oriented: **(111)**, Diameter: 10mm, Length: 2mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

TA002129 Oriented: **(111)**, Diameter: 12mm, Length: 10mm, Purity: 99.999%

TA002130 Oriented: **(111)**, Diameter: 12mm, Length: 25mm, Purity: 99.999%

TA002131 Oriented: **(111)**, Diameter: 12mm, Length: 50mm, Purity: 99.999%

Tellurium (Te)



Sputtering Target

TE009300 Thickness: **3mm**, Size: 50 mm



Powder

TE006010 Max. Particle size: **75micron**, Purity: 99.5%



Lump

TE006105 Max. Lump size: **25mm**, Purity: 99.95%, Condition: Broken ingot

TE006100 Max. Lump size: **25mm**, High Purity: 99.999%, Condition: Broken ingot

Metals

Terbium (Tb)



Foil

TB000200 Thickness: **0.025mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

TB000210 Thickness: **0.1mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm



Sputtering Target

TB009100 Thickness: **1.0mm**, Purity: 99%, Size: 50 mm to 75 mm



Wire

TB005110 Diameter: **1.0mm**, Purity: 99.9%, Temper: Hard



Rod

TB007902 Diameter: **2.0mm**, Purity: 99%, Length: 50 mm

TB007910 Diameter: **6.35mm**, Purity: 99%, Condition: Cast, Length: 50 mm to 100 mm



Powder

TB006010 Max. Particle size: **500micron**, Purity: 99.9%



Lump

TB006100 Max. Lump size: **25mm**, Purity: 99%

Thorium (Th)



Foil

TH000200 Thickness: **0.0125mm**, Purity: 99.5%, Condition: Natural, Size: 25x25 mm to 100x100 mm

TH000210 Thickness: **0.025mm**, Purity: 99.5%, Condition: Natural, Size: 25x25 mm to 100x100 mm

TH000215 Thickness: **0.05mm**, Purity: 99.5%, Condition: Natural, Size: 25x25 mm to 100x100 mm

TH000217 Thickness: **0.064mm**, Purity: 99.5%, Condition: Natural, Size: 25x25 mm to 31.8x50 mm

TH000220 Thickness: **0.125mm**, Purity: 99.5%, Condition: Natural, Size: 9x50 mm



Wire

TH005200 Diameter: **0.22mm**, Purity: 99.5%, Condition: Natural

Thulium (Tm)



Foil

TM000205 Thickness: **0.002mm**, Purity: 99%, Temper: As rolled, Size: 12.5x12.5 mm to 25x25 mm

TM000208 Thickness: **0.005mm**, Purity: 99%, Temper: As rolled, Size: 12.5x12.5 mm to 25x25 mm

TM000200 Thickness: **0.025mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

TM000210 Thickness: **0.1mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

TM000215 Thickness: **0.15mm**, Tolerance: 20 %, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm



Sputtering Target

TM009100 Thickness: **1.0mm**, Purity: 99%, Size: 50 mm to 75 mm



Wire

TM005120 Diameter: **0.6mm**, Purity: 99%



Rod

TM007910 Diameter: **6mm**, Purity: 99%, Condition: Cast, Length: 27 mm



Lump

TM006100 Max. Lump size: **25mm**, Purity: 99.7%

Tin (Sn)



Microfoil

SN004600 Thinness: **0.25µm**, Specific density: 182.5µg.cm⁻², Purity: 99.999%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm

SN004700 Thinness: **0.5µm**, Specific density: 365µg.cm⁻², Purity: 99.999%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm

SN004850 Thinness: **1.0µm**, Specific density: 730µg.cm⁻², Purity: 99.999%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm



Foil

SN000040 Thickness: **0.0005mm**, Purity: 99.75%, Support: Temporary Acrylic, Size: 25x25 mm to 100x100 mm

SN000050 Thickness: **0.001mm**, Purity: 99.75%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

SN000060 Thickness: **0.002mm**, Purity: 99.75%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

SN000070 Thickness: **0.0025mm**, Purity: 99.75%, Support: Temporary Acrylic, Size: 25x25 mm to 50x50 mm

SN000081 Thickness: **0.003mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

SN000204 Thickness: **0.004mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm

SN000090 Thickness: **0.004mm**, Purity: 99.75%, Size: 25x25 mm to 50x50 mm

SN000101 Thickness: **0.005mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

SN000110 Thickness: **0.006mm**, Purity: 99.75%, Size: 25x25 mm to 50x50 mm

SN000200 Thickness: **0.006mm**, Purity: 97.4%, Coil width 200 mm, Size: 50x50 mm to 200x300 mm

SN000120 Thickness: **0.007mm**, Purity: 99.75%, Size: 25x25 mm to 50x50 mm

SN000121 Thickness: **0.007mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

SN000201 Thickness: **0.007mm**, Purity: 97.4%, Coil width 200 mm, Size: 100x100 mm to 200x300 mm

SN000130 Thickness: **0.008mm**, Purity: 99.75%, Size: 25x25 mm to 100x100 mm

SN000140 Thickness: **0.009mm**, Purity: 99.75%, Size: 25x25 mm to 100x100 mm

SN000210 Thickness: **0.009mm**, Purity: 97.4%, Coil width 200 mm, Size: 100x100 mm to 200x300 mm

SN000150 Thickness: **0.01mm**, Purity: 99.75%, Size: 25x25 mm to 100x100 mm

SN000212 Thickness: **0.01mm**, Purity: 97.4%, Coil width 200 mm, Size: 25x25 mm to 200x300 mm

SN000160 Thickness: **0.0125mm**, Purity: 99.75%, Size: 50x50 mm to 100x100 mm

Metals

- SN000220** Thickness: **0.0125mm**, Purity: 97.4%, Coil width 250 mm, Size: 100x100 mm to 250x300 mm
- SN000170** Thickness: **0.015mm**, Purity: 99.75%, Size: 50x50 mm to 150x150 mm
- SN000180** Thickness: **0.02mm**, Purity: 99.75%, Size: 50x50 mm to 150x150 mm
- SN000190** Thickness: **0.025mm**, Purity: 99.75%, Size: 50x50 mm to 100x100 mm
- SN000230** Thickness: **0.025mm**, High Purity: 99.99+%, Temper: As rolled, Size: 100x100 mm
- SN000235** Thickness: **0.025mm**, Purity: 99.95%, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x300 mm
- SN000231** Thickness: **0.025mm**, Purity: 98.8%, Temper: As rolled, Coil width 300 mm, Size: 300x300 mm
- SN000232** Thickness: **0.030mm**, Purity: 97.4%, Temper: As rolled, Coil width 300 mm, Size: 300x300 mm
- SN000240** Thickness: **0.05mm**, High Purity: 99.99+%, Temper: As rolled, Coil width 76 mm, Size: 38x38 mm to 76x76 mm
- SN000241** Thickness: **0.05mm**, Purity: 98.8%, Temper: As rolled, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
- SN000260** Thickness: **0.058mm**, Coil width: 41mm, Purity: 99.95%, Temper: As rolled, Length: 0.2 m to 0.5 m
- SN000239** Thickness: **0.06mm**, Coil width: 73mm, High Purity: 99.99+%, Temper: As rolled, Length: 0.1 m to 2 m
- SN000280** Thickness: **0.072mm**, Coil width: 41mm, Purity: 99.95%, Temper: As rolled, Length: 1 m to 20 m
- SN000290** Thickness: **0.075mm**, Purity: 98.8%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- SN000300** Thickness: **0.084mm**, Coil width: 41mm, Purity: 99.95%, Temper: As rolled, Length: 1 m to 20 m
- SN000310** Thickness: **0.088mm**, Coil width: 304mm, Purity: 98.8%, Temper: As rolled, Length: 1 m
- SN000320** Thickness: **0.096mm**, Coil width: 41mm, Purity: 99.95%, Temper: As rolled, Length: 1 m to 20 m
- SN000295** Thickness: **0.1mm**, Purity: 99.95%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- SN000291** Thickness: **0.1mm**, Purity: 98.8%, Temper: As rolled, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
- SN000350** Thickness: **0.109mm**, Coil width: 41mm, Purity: 99.95%, Temper: As rolled, Length: 1 m to 20 m
- SN000330** Thickness: **0.125mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 300x300 mm
- SN000331** Thickness: **0.125mm**, Purity: 98.8%, Temper: As rolled, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
- SN000360** Thickness: **0.15mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- SN000390** Thickness: **0.15mm**, Purity: 98.8%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- SN000396** Thickness: **0.20mm**, Coil width: 15mm, Purity: 98.8%, Temper: As rolled, Length: 1 m
- SN000395** Thickness: **0.20mm**, Purity: 98.8%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

- SN000400** Thickness: **0.25mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 150x150 mm
- SN000391** Thickness: **0.25mm**, Purity: 98.8%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- SN000415** Thickness: **0.44mm**, Purity: 99.99+%, Temper: As rolled, Diameter: 4 mm
- SN000420** Thickness: **0.5mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 150x150 mm
- SN000410** Thickness: **0.5mm**, Purity: 98.8%, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- SN000424** Thickness: **0.65mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- SN000426** Thickness: **0.75mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- SN000441** Thickness: **1.0mm**, High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 150x150 mm
- SN000440** Thickness: **1.0mm**, Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 300x300 mm
- SN000430** Thickness: **1.0mm**, Purity: 98.8%, Temper: As rolled, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
- SN000450** Thickness: **1.5mm**, High Purity: 99.99+%, Temper: As rolled, Size: 50x50 mm to 150x150 mm
- SN000500** Thickness: **2.0mm**, Purity: 98.8%, Temper: As rolled, Size: 25x25 mm to 300x300 mm
- SN000510** Thickness: **2.0mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 150x150 mm
- SN000521** Thickness: **3.0mm**, Purity: 99.99+%, Temper: As rolled, Diameter: 40 mm
- SN000520** Thickness: **3.0mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 50x50 mm
- SN000530** Thickness: **6.0mm**, High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 50x50 mm



Sheet

- SN003005** Thickness: **15mm**, Purity: 99.99+%, Diameter: 100 mm



Sputtering Target

- SN009300** Thickness: **3.0mm**, Purity: 99.99%, Size: 25 mm to 75 mm
- SN009600** Thickness: **6.0mm**, Purity: 99.99%, Size: 25 mm to 75 mm



Wire

- SN005110** Diameter: **0.25mm**, High Purity: 99.99+%, Temper: As drawn
- SN005120** Diameter: **0.5mm**, High Purity: 99.99+%, Temper: As drawn
- SN005130** Diameter: **1.0mm**, High Purity: 99.99+%, Temper: As drawn
- SN005140** Diameter: **1.5mm**, High Purity: 99.99+%, Temper: As drawn



Rod

- SN007910** Diameter: **2.0mm**, Purity: 99.75%, Condition: Extruded, Length: 100 mm to 1000 mm

Metals

- SN007915** Diameter: **2.0mm**, High Purity: 99.999 + %, Length: 100 mm to 1000 mm
- SN007918** Diameter: **3.0mm**, High Purity: 99.99 + %, Length: 100 mm to 1000 mm
- SN007920** Diameter: **5.0mm**, Purity: 99.75%, Condition: Extruded, Length: 100 mm to 1000 mm
- SN007930** Diameter: **6.0mm**, High Purity: 99.999 + %, Length: 50 mm to 1000 mm
- SN007939** Diameter: **8.9mm**, Purity: 99.99 + %, Length: 100 mm to 1000 mm
- SN007940** Diameter: **9.5mm**, Purity: 99.75%, Length: 100 mm to 1000 mm
- SN007945** Diameter: **15mm**, Purity: 99.75%, Length: 100 mm to 1000 mm
- SN007948** Diameter: **22.0mm**, Purity: 99.75%, Condition: Extruded, Length: 200 mm
- SN007950** Diameter: **25.0mm**, Purity: 99.75%, Condition: Extruded, Length: 100 mm to 1000 mm



Bar

- SN008100** Side Length: **7mm**, Side Length (of longer side): 12mm, High Purity: 99.9999%, Length: 12 mm to 75 mm
- SN008150** Side Length: **25mm**, Side Length (of longer side): 30mm, Purity: 99.99 + %, Length: 290 mm



Powder

- SN006020** Max. Particle size: **45micron**, Purity: 99.9%
- SN006031** Max. Particle size: **150micron**, High Purity: 99.995%



Lump

- SN006102** Max. Lump size: **4mm**, High Purity: 99.995%, Condition: Pellets
- SN006101** Max. Lump size: **5mm**, High Purity: 99.995%, Condition: Pellets
- SN006110** Max. Lump size: **5mm**, High Purity: 99.995%, Condition: Shot
- SN006100** Max. Lump size: **10mm**, High Purity: 99.995%, Condition: Pellets



Single Crystal

- SN002110** Oriented: **(100)**, Thickness: 2mm, Diameter: 10mm, Purity: 99.999%, Condition: Unpolished

Titanium (Ti)



Microfoil

- TI004500** Thinness: **0.1μm**, Specific density: 42.8μg.cm⁻², Purity: 99.6 + %, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm
- TI004600** Thinness: **0.25μm**, Specific density: 112.6μg.cm⁻², Purity: 99.6 + %, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm
- TI004700** Thinness: **0.5μm**, Specific density: 225.4μg.cm⁻², Purity: 99.6 + %, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm
- TI004850** Thinness: **1.0μm**, Specific density: 429μg.cm⁻², Purity: 99.6 + %, Support: Permanent Mylar 3.5μm, Diameter: 10 mm to 25 mm



Foil

- TI000205** Thickness: **0.001mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 50x50 mm
- TI000090** Thickness: **0.002mm**, Purity: 99.6 + %, Size: 25x25 mm to 50x50 mm
- TI000206** Thickness: **0.002mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 50x50 mm
- TI000100** Thickness: **0.0025mm**, Purity: 99.6 + %, Size: 25x25 mm to 50x50 mm
- TI000110** Thickness: **0.003mm**, Purity: 99.6 + %, Size: 25x25 mm to 50x50 mm
- TI000121** Thickness: **0.004mm**, Purity: 99.6 + %, Size: 25x25 mm to 100x100 mm
- TI000210** Thickness: **0.005mm**, Purity: 99.6 + %, Size: 25x25 mm to 100x100 mm
- TI000208** Thickness: **0.005mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- TI000140** Thickness: **0.006mm**, Purity: 99.6 + %, Size: 25x25 mm to 100x100 mm
- TI000150** Thickness: **0.007mm**, Purity: 99.6 + %, Size: 25x25 mm to 150x150 mm
- TI000211** Thickness: **0.008mm**, Coil width: 104mm, Purity: 99.6 + %, Length: 0.2 m to 0.3 m
- TI000160** Thickness: **0.008mm**, Purity: 99.6 + %, Size: 25x25 mm to 150x150 mm
- TI000170** Thickness: **0.009mm**, Purity: 99.6 + %, Size: 25x25 mm to 150x150 mm
- TI000213** Thickness: **0.010mm**, Purity: 99.6 + %, Coil width 150 mm, Size: 100x100 mm to 200x200 mm
- TI000212** Thickness: **0.01mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 50x50 mm to 100x100 mm
- TI000215** Thickness: **0.012mm**, Purity: 99.6 + %, Coil width 203 mm, Size: 100x100 mm to 200x200 mm
- TI000220** Thickness: **0.0125mm**, Purity: 99.6 + %, Temper: Annealed, Coil width 279 mm, Size: 100x100 mm to 279x300 mm
- TI000230** Thickness: **0.015mm**, Purity: 99.6 + %, Coil width 266 mm, Size: 25x25 mm to 300x300 mm
- TI000251** Thickness: **0.02mm**, Purity: 99.6 + %, Coil width 181 mm, Size: 25x25 mm to 200x300 mm
- TI000295** Thickness: **0.025mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- TI000290** Thickness: **0.025mm**, Purity: 99.6 + %, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
- TI000300** Thickness: **0.03mm**, Purity: 99.6 + %, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 200x300 mm
- TI000315** Thickness: **0.05mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- TI000310** Thickness: **0.05mm**, Purity: 99.6 + %, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
- TI000351** Thickness: **0.075mm**, Purity: 99.6 + %, Temper: Annealed, Condition: Flattened, Size: 150x200 mm to 200x300 mm
- TI000350** Thickness: **0.075mm**, Purity: 99.6 + %, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

Metals

TI000371	Thickness: 0.10mm , Purity: 99.6+%, Temper: Annealed, Condition: Flattened, Size: 150x200 mm to 200x300 mm
TI000370	Thickness: 0.1mm , Purity: 99.6+%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
TI000385	Thickness: 0.125mm , High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
TI000380	Thickness: 0.125mm , Purity: 99.6+%, Temper: Annealed, Coil width 292 mm, Size: 25x25 mm to 292x300 mm
TI000382	Thickness: 0.140mm , Purity: 99.6+%, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
TI000401	Thickness: 0.2mm , Purity: 99.6+%, Temper: Annealed, Condition: Flattened, Size: 50x50 mm to 200x300 mm
TI000400	Thickness: 0.2mm , Purity: 99.6+%, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
TI000410	Thickness: 0.25mm , Purity: 99.6+%, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
TI000416	Thickness: 0.3mm , Purity: 99.6+%, Temper: Annealed, Coil width 300 mm, Size: 100x100 mm to 300x300 mm
TI000419	Thickness: 0.35mm , Purity: 99.6+%, Temper: Annealed, Condition: Platinized on both sides, Size: 100x100 mm
TI000423	Thickness: 0.5mm , Purity: 99.6+%, Condition: Ion Implanted, Size: 50x50 mm
TI000425	Thickness: 0.5mm , Purity: 99.6+%, Temper: Annealed, Condition: Polished on both sides, Size: 100x100 mm
TI000421	Thickness: 0.5mm , Purity: 99.6+%, Surface treatment: Titanium Nitride coating 2-3 microns, Size: 23x25 mm to 47x50 mm
TI000420	Thickness: 0.5mm , Purity: 99.6+%, Temper: Annealed, Size: 25x25 mm to 300x300 mm
TI000417	Thickness: 0.5mm , Purity: 99.6+%, Temper: Annealed, Condition: Polished on 1 side, Size: 10x10 mm
TI000422	Thickness: 0.7mm , Purity: 99.6+%, Temper: Annealed, Size: 25x25 mm to 500x500 mm
TI000432	Thickness: 1.0mm , High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
TI000433	Thickness: 1.0mm , High Purity: 99.999%, Temper: As rolled, Size: 25x25 mm to 50x50 mm
TI000431	Thickness: 1.0mm , Purity: 99.6+%, Surface treatment: Titanium Nitride coating 2-3 microns, Size: 25x25 mm to 100x100 mm
TI000430	Thickness: 1.0mm , Purity: 99.6+%, Temper: Annealed, Size: 25x25 mm to 500x500 mm
TI000436	Thickness: 1.20mm , Purity: 99.6+%, Temper: Annealed, Size: 150x150 mm to 300x300 mm
TI000437	Thickness: 1.5mm , Purity: 99.6+%, Temper: Annealed, Size: 25x25 mm to 300x300 mm
TI000441	Thickness: 2.0mm , Purity: 99.6+%, Surface treatment: Titanium Nitride coating 2-3 microns, Size: 25x25 mm to 100x100 mm
TI000440	Thickness: 2.0mm , Purity: 99.6+%, Temper: Annealed, Size: 25x25 mm to 500x500 mm
TI000460	Thickness: 3.0mm , Purity: 99.6+%, Temper: Annealed, Size: 50x50 mm to 300x300 mm

TI000500	Thickness: 3.2mm , High Purity: 99.99+%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
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Sheet

TI003150	Thickness: 5.0mm , Tolerance: 20 %, Purity: 99.6+%, Temper: Annealed, Size: 150x150 mm to 300x300 mm
TI003151	Thickness: 5.0mm , Tolerance: 20 %, Purity: 99.6+%, Temper: Annealed, Size: 20x20 mm
TI003200	Thickness: 7.0mm , Purity: 99.6+%, Size: 150x150 mm to 300x300 mm
TI003250	Thickness: 12.0mm , Purity: 99.6+%, Size: 150x150 mm to 300x300 mm



Sputtering Target

TI009100	Thickness: 1.0mm , High Purity: 99.99+%, Size: 33 mm
TI009300	Thickness: 3.0mm , High Purity: 99.99+%, Size: 25 mm to 75 mm
TI009301	Thickness: 3.0mm , Purity: 99.6+%, Size: 50 mm to 75 mm
TI009600	Thickness: 6.0mm , High Purity: 99.99+%, Size: 25.4 mm to 101.6 mm
TI009512	Thickness: 6.0mm , Purity: 99.6+%, Size: 120 mm
TI009515	Thickness: 6.0mm , Purity: 99.6+%, Size: 152.4 mm
TI009520	Thickness: 6.0mm , Purity: 99.6+%, Size: 203.2 mm
TI009700	Thickness: 7.0mm , Purity: 99.6+%, Size: 50 mm to 75 mm



Mesh

TI008710	Nominal Aperture: 0.19mm , Wire diameter: 0.23mm, Wires/inch: 60x60, Open area: 20%, Weave: Twill, Size: 50x50 mm to 150x150 mm
TI008720	Nominal Aperture: 4.3mm , Wire diameter: 1.5mm, Wires/inch: 4.4x4.4, Open area: 94%, Condition: Diamond pattern, Condition: Platinized, Size: 100x100 mm



Wire

TI005100	Diameter: 0.05mm , Purity: 99.8%, Temper: Hard
TI005108	Diameter: 0.08mm , Purity: 99.6+%, Temper: As drawn
TI005112	Diameter: 0.125mm , Purity: 99.6+%, Temper: Annealed
TI005121	Diameter: 0.20mm , Purity: 99.6+%, Temper: Annealed
TI005120	Diameter: 0.25mm , High Purity: 99.99+%, Temper: As drawn
TI005122	Diameter: 0.25mm , Purity: 99.6+%, Temper: Annealed
TI005123	Diameter: 0.25mm , Purity: 99.6+%, Temper: As drawn
TI005127	Diameter: 0.5mm , Purity: 99.975+%, Temper: Annealed
TI005128	Diameter: 0.5mm , High Purity: 99.99+%, Temper: As drawn
TI005125	Diameter: 0.5mm , Purity: 99.6+%, Temper: As drawn
TI005126	Diameter: 0.75mm , Purity: 99.6+%, Temper: As drawn
TI005320	Diameter: 1.0mm , Purity: 99.6+%, Condition: Straight wire, Temper: As drawn

Metals

TI005130	Diameter: 1.0mm , Purity: 99.6+%, Temper: Annealed
TI005129	Diameter: 1.0mm , Purity: 99.6+%, Temper: As drawn
TI005135	Diameter: 1.0mm , High Purity: 99.99+%, Temper: As drawn
TI005140	Diameter: 1.5mm , Purity: 99.6+%, Temper: As drawn
TI005160	Diameter: 3.0mm , Purity: 99.6+%, Temper: Annealed



Rod

TI007905	Diameter: 1.5mm , Purity: 99.6+%, Temper: Annealed, Length: 100 mm to 1000 mm
TI007910	Diameter: 2mm , Purity: 99.6+%, Temper: Annealed, Length: 100 mm to 1000 mm
TI007911	Diameter: 2mm , High Purity: 99.99+%, Temper: As drawn, Length: 100 mm to 1000 mm
TI007912	Diameter: 2.2mm , Purity: 99.6+%, Temper: Annealed, Length: 599 mm
TI007915	Diameter: 3.0mm , Purity: 99.6+%, Temper: Annealed, Length: 100 mm to 1000 mm
TI007916	Diameter: 4mm , Purity: 99.6+%, Temper: Annealed, Length: 100 mm to 1000 mm
TI007920	Diameter: 5mm , Purity: 99.6+%, Temper: Annealed, Length: 100 mm to 1000 mm
TI007921	Diameter: 6mm , Purity: 99.6+%, Temper: Annealed, Length: 100 mm to 1000 mm
TI007923	Diameter: 6.2mm , Purity: 99.99+%, Temper: Annealed, Length: 154 mm to 895 mm
TI007922	Diameter: 6.35mm , High Purity: 99.99+%, Temper: Annealed, Length: 50 mm to 200 mm
TI007925	Diameter: 8.0mm , High Purity: 99.99+%, Temper: As drawn, Length: 50 mm to 200 mm
TI007931	Diameter: 9.5mm , High Purity: 99.99+%, Temper: Annealed, Length: 25 mm to 200 mm
TI007930	Diameter: 10mm , Purity: 99.6+%, Temper: Annealed, Length: 100 mm to 1000 mm
TI007937	Diameter: 16mm , Purity: 99.6+%, Temper: Annealed, Length: 100 mm to 1000 mm
TI007938	Diameter: 16mm , High Purity: 99.99+%, Temper: As drawn, Length: 25 mm to 100 mm
TI007940	Diameter: 20mm , Purity: 99.6+%, Temper: Annealed, Length: 50 mm to 1000 mm
TI007941	Diameter: 20mm , High Purity: 99.99+%, Temper: As drawn, Length: 25 mm to 100 mm
TI007945	Diameter: 25mm , Purity: 99.6+%, Temper: Annealed, Length: 50 mm to 1000 mm
TI007946	Diameter: 25mm , High Purity: 99.99+%, Temper: As drawn, Length: 25 mm to 50 mm
TI007947	Diameter: 30mm , Purity: 99.6+%, Temper: Annealed, Length: 50 mm to 1000 mm
TI007948	Diameter: 40mm , Purity: 99.6+%, Temper: Annealed, Length: 50 mm to 1000 mm
TI007950	Diameter: 50mm , Purity: 99.6+%, Temper: Annealed, Length: 25 mm to 1000 mm
TI007955	Diameter: 50mm , High Purity: 99.99+%, Length: 10 mm to 25 mm
TI007975	Diameter: 75mm , Purity: 99.6+%, Temper: Annealed, Length: 25 mm to 1000 mm



Bar

TI008003	Side Length: 10mm , Side Length (of longer side): 12mm, Purity: 99.6+%, Length: 100 mm to 1000 mm
TI008010	Side Length: 50mm , Side Length (of longer side): 50mm, Purity: 99.6+%, Length: 100 mm



Tube

TI007050	Outside Diameter: 0.51mm , Wall Thickness: 0.08mm, Inside Diameter: 0.35mm, Purity: 99.6+%, Temper: Annealed, Length: 100 mm to 500 mm
TI007060	Outside Diameter: 0.81mm , Wall Thickness: 0.1mm, Inside Diameter: 0.61mm, Purity: 99.6+%, Temper: As drawn, Length: 100 mm to 1000 mm
TI007070	Outside Diameter: 1.05mm , Wall Thickness: 0.15mm, Inside Diameter: 0.75mm, Purity: 99.6+%, Temper: Annealed, Length: 100 mm to 1000 mm
TI007075	Outside Diameter: 1.5mm , Wall Thickness: 0.175mm, Inside Diameter: 1.15mm, Purity: 99.6+%, Temper: Hard, Length: 230 mm
TI007085	Outside Diameter: 1.6mm , Wall Thickness: 0.5mm, Inside Diameter: 0.6mm, Purity: 99.6+%, Temper: Annealed, Length: 100 mm to 1000 mm
TI007080	Outside Diameter: 1.6mm , Wall Thickness: 0.2mm, Inside Diameter: 1.2mm, Purity: 99.6+%, Temper: Hard, Length: 100 mm to 1000 mm
TI007101	Outside Diameter: 2.03mm , Wall Thickness: 0.24mm, Inside Diameter: 1.55mm, Purity: 99.6+%, Temper: Annealed, Length: 100 mm to 1220 mm
TI007100	Outside Diameter: 2.03mm , Wall Thickness: 0.2mm, Inside Diameter: 1.63mm, Purity: 99.6+%, Temper: Annealed, Length: 100 mm to 1000 mm
TI007210	Outside Diameter: 3.0mm , Wall Thickness: 0.75mm, Inside Diameter: 1.5mm, Purity: 99.6+%, Temper: Annealed, Length: 100 mm to 1000 mm
TI007250	Outside Diameter: 4.25mm , Wall Thickness: 0.25mm, Inside Diameter: 3.75mm, Purity: 99.6+%, Temper: Annealed, Length: 100 mm to 1000 mm
TI007295	Outside Diameter: 6.1mm , Wall Thickness: 0.5mm, Inside Diameter: 5.1mm, Purity: 99.6+%, Temper: Annealed, Length: 100 mm to 1000 mm
TI007350	Outside Diameter: 6.35mm , Wall Thickness: 0.89mm, Inside Diameter: 4.57mm, Purity: 99.6+%, Temper: Annealed, Length: 100 mm to 1000 mm
TI007300	Outside Diameter: 6.35mm , Wall Thickness: 0.41mm, Inside Diameter: 5.53mm, Purity: 99.6+%, Temper: Annealed, Length: 100 mm to 1000 mm
TI007370	Outside Diameter: 7.0mm , Wall Thickness: 1.0mm, Inside Diameter: 5mm, Purity: 99.6+%, Temper: Annealed, Length: 100 mm to 1000 mm
TI007401	Outside Diameter: 9.5mm , Wall Thickness: 0.65mm, Inside Diameter: 8.2mm, Purity: 99.6+%, Temper: Annealed, Condition: Lightly Oxidized surface, Length: 100 mm to 1000 mm

Metals

- TI007461** Outside Diameter: **10mm**, Wall Thickness: 1.0mm, Inside Diameter: 8mm, Purity: 99.6 + %, Temper: Annealed, Length: 100 mm to 1000 mm
- TI007460** Outside Diameter: **10.3mm**, Wall Thickness: 0.8mm, Inside Diameter: 8.7mm, Purity: 99.6 + %, Temper: Annealed, Length: 100 mm to 1000 mm
- TI007500** Outside Diameter: **12.7mm**, Wall Thickness: 0.9mm, Inside Diameter: 10.9mm, Purity: 99.6 + %, Temper: Annealed, Length: 100 mm to 1000 mm
- TI007550** Outside Diameter: **25.4mm**, Wall Thickness: 0.89mm, Inside Diameter: 23.62mm, Purity: 99.6 + %, Temper: Annealed, Length: 100 mm to 1000 mm



Powder

- TI006021** Max. Particle size: **45micron**, Purity: 99.5%, Condition: Spherical
- TI006022** Max. Particle size: **75micron**, Purity: 99.5%
- TI006020** Max. Particle size: **150micron**, Purity: 99.5%



Lump

- TI006104** Max. Lump size: **4mm**
- TI006101** Max. Lump size: **4mm**, High Purity: 99.99 + %, Condition: Pellets
- TI006102** Max. Lump size: **6mm**, High Purity: 99.99 + %, Condition: Pellets
- TI006111** Max. Lump size: **6mm**, High Purity: 99.999%, Condition: Pellets
- TI006100** Max. Lump size: **10mm**, High Purity: 99.99 + %, Condition: Pellets
- TI006110** Max. Lump size: **10mm**, High Purity: 99.999%, Condition: Pellets



Sphere

- TI006830** Diameter: **3mm**, Purity: 99.6 + %



Single Crystal

- TI002122** Oriented: **(0001)**, Thickness: 1mm, Condition: Unpolished, Size: 3x5
- TI002120** Oriented: **(0001)**, Thickness: 1mm, Diameter: 5mm, Condition: Unpolished
- TI002121** Oriented: **(0001)**, Thickness: 1mm, Diameter: 8mm, Condition: Unpolished

Tungsten (W)



Microfoil

- W 004300** Thinness: **0.05µm**, Specific density: 96µg.cm⁻², Purity: 99.95%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm
- W 004500** Thinness: **0.1µm**, Specific density: 182µg.cm⁻², Purity: 99.95%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm
- W 004600** Thinness: **0.25µm**, Specific density: 474µg.cm⁻², Purity: 99.95%, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm



Foil

- W 000090** Thickness: **0.003mm**, Purity: 99.95%, Size: 25x25 mm to 50x50 mm
- W 000100** Thickness: **0.004mm**, Purity: 99.95%, Size: 25x25 mm to 50x50 mm

- W 000110** Thickness: **0.005mm**, Purity: 99.95%, Size: 25x25 mm to 50x50 mm
- W 000120** Thickness: **0.006mm**, Purity: 99.95%, Size: 25x25 mm to 50x50 mm
- W 000130** Thickness: **0.007mm**, Purity: 99.95%, Size: 25x25 mm to 50x50 mm
- W 000140** Thickness: **0.008mm**, Purity: 99.95%, Size: 25x25 mm to 50x50 mm
- W 000150** Thickness: **0.009mm**, Purity: 99.95%, Size: 25x25 mm to 50x50 mm
- W 000160** Thickness: **0.01mm**, Purity: 99.95%, Size: 25x25 mm to 100x100 mm
- W 000170** Thickness: **0.0125mm**, Purity: 99.95%, Size: 25x25 mm to 100x100 mm
- W 000180** Thickness: **0.015mm**, Purity: 99.95%, Size: 25x25 mm to 100x100 mm
- W 000215** Thickness: **0.016mm**, Coil width: .36mm, Purity: 99.95%, Temper: As rolled, Length: 0.2 m to 5 m
- W 000221** Thickness: **0.02mm**, Coil width: .1mm, Purity: 99.95%, Temper: As rolled, Length: 0.2 m to 2 m
- W 000220** Thickness: **0.02mm**, Coil width: .5mm, Purity: 99.95%, Temper: As rolled, Length: 0.2 m to 5 m
- W 000190** Thickness: **0.02mm**, Purity: 99.95%, Size: 50x50 mm to 100x100 mm
- W 000219** Thickness: **0.025mm**, Coil width: .7mm, Purity: 99.95%, Temper: As rolled, Length: 0.2 m to 5 m
- W 000218** Thickness: **0.025mm**, Coil width: 1mm, Purity: 99.95%, Temper: As rolled, Length: 0.2 m to 5 m
- W 000200** Thickness: **0.025mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 150x300 mm
- W 000201** Thickness: **0.025mm**, Purity: 99.95%, Temper: As rolled, Size: 160x600 mm
- W 000224** Thickness: **0.035mm**, Coil width: .5mm, Purity: 99.95%, Temper: As rolled, Length: 0.2 m to 5 m
- W 000225** Thickness: **0.035mm**, Coil width: .75mm, Purity: 99.95%, Temper: As rolled, Length: 0.2 m to 5 m
- W 000226** Thickness: **0.035mm**, Coil width: 1.5mm, Purity: 99.95%, Temper: As rolled, Length: 0.2 m to 2 m
- W 000245** Thickness: **0.04mm**, Coil width: 0.7mm, Purity: 99.95%, Temper: As rolled, Length: 0.2 m to 5 m
- W 000248** Thickness: **0.05mm**, Coil width: .51mm, Purity: 99.95%, Temper: As rolled, Length: 0.2 m to 5 m
- W 000246** Thickness: **0.05mm**, Coil width: 1.0mm, Purity: 99.95%, Length: 0.2 m
- W 000249** Thickness: **0.05mm**, Coil width: 1.5mm, Purity: 99.95%, Temper: As rolled, Length: 0.2 m to 2 m
- W 000247** Thickness: **0.05mm**, Coil width: 2mm, Purity: 99.95%, Temper: As rolled, Length: 0.2 m to 1 m
- W 000240** Thickness: **0.05mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 150x300 mm
- W 000250** Thickness: **0.075mm**, Purity: 99.95%, Temper: As rolled, Size: 25x25 mm to 150x150 mm
- W 000251** Thickness: **0.076mm**, Coil width: 1.5mm, Purity: 99.95%, Temper: As rolled, Length: 0.2 m to 5 m
- W 000252** Thickness: **0.076mm**, Coil width: 2mm, Purity: 99.95%, Temper: As rolled, Length: 0.1 m to 1 m
- W 000255** Thickness: **0.08mm**, Coil width: .9mm, Purity: 99.95%, Temper: As rolled, Length: 0.2 m to 5 m
- W 000278** Thickness: **0.1mm**, Coil width: .6mm, Purity: 99.95%, Temper: As rolled, Length: 0.2 m to 5 m
- W 000279** Thickness: **0.10mm**, Coil width: .9mm, Purity: 99.95%, Temper: As rolled, Length: 0.2 m to 5 m

Metals

- W 000275** Thickness: **0.1mm**, Coil width: 1.5mm, Purity: 99.95%, Temper: As rolled, Length: 0.2 m to 5 m
- W 000270** Thickness: **0.1mm**, Purity: 99.95%, Temper: As rolled, Size: 50x50 mm to 200x200 mm
- W 000290** Thickness: **0.125mm**, Purity: 99.95%, Temper: As rolled, Size: 50x50 mm to 150x150 mm
- W 000310** Thickness: **0.15mm**, Purity: 99.95%, Temper: As rolled, Size: 50x50 mm to 200x200 mm
- W 000317** Thickness: **0.2mm**, Coil width: .6mm, Purity: 99.95%, Temper: As rolled, Length: 0.2 m to 5 m
- W 000315** Thickness: **0.2mm**, Purity: 99.95%, Temper: As rolled, Size: 50x50 mm to 200x200 mm
- W 000316** Thickness: **0.2mm**, Purity: 99.95%, Temper: As rolled, Size: 200x500 mm to 200x1000 mm
- W 000320** Thickness: **0.25mm**, Purity: 99.95%, Temper: As rolled, Size: 200x250 mm
- W 000327** Thickness: **0.3mm**, Purity: 99.95%, Temper: As rolled, Polished on one side: Polish : 0.1µm Ra or better, Size: 7x7 mm
- W 000325** Thickness: **0.3mm**, Purity: 99.95%, Temper: As rolled, Size: 50x50 mm to 200x200 mm
- W 000326** Thickness: **0.3mm**, Purity: 99.95%, Temper: As rolled, Size: 200x500 mm to 200x1000 mm
- W 000328** Thickness: **0.4mm**, Purity: 99.95%, Temper: As rolled, Size: 100x100 mm
- W 000330** Thickness: **0.5mm**, Tolerance: 20 %, Purity: 99.95%, Temper: As rolled, Size: 23x25 mm to 150x150 mm
- W 000331** Thickness: **0.5mm**, Tolerance: 20 %, Purity: 99.95%, Temper: As rolled, Size: 300x300 mm to 500x1000 mm
- W 000335** Thickness: **0.6mm**, Coil width: 1mm, Purity: 99.95%, Temper: As rolled, Length: 0.2 m to 2 m
- W 000346** Thickness: **1.0mm**, Purity: 99.95%, Temper: As rolled, Size: 10x10 mm
- W 000345** Thickness: **1.0mm**, Purity: 99.95%, Temper: As rolled, Diameter: 10 mm to 30 mm
- W 000340** Thickness: **1.0mm**, Tolerance: 20%, Purity: 99.95%, Temper: As rolled, Size: 50x50 mm to 150x150 mm
- W 000341** Thickness: **1.0mm**, Purity: 99.95%, Temper: As rolled, Size: 300x300 mm to 500x1000 mm
- W 000375** Thickness: **2.0mm**, Purity: 99.95%, Temper: As rolled, Size: 10x10 mm
- W 000370** Thickness: **2.0mm**, Purity: 99.95%, Temper: As rolled, Size: 50x50 mm to 100x100 mm
- W 000371** Thickness: **2.0mm**, Purity: 99.95%, Temper: As rolled, Size: 150x150 mm to 500x500 mm
- W 000395** Thickness: **3.0mm**, Purity: 99.95%, Temper: As rolled, Size: 10x10 mm
- W 000391** Thickness: **3.0mm**, Purity: 99.95%, Temper: As rolled, Condition: Polished on 1 side, Size: 100x100 mm
- W 000390** Thickness: **3.0mm**, Purity: 99.95%, Temper: As rolled, Size: 50x50 mm to 300x300 mm



Sheet

- W 003025** Thickness: **2.5mm**, Purity: 99.95%, Condition: Lapped surface, Size: 70x99 mm
- W 003100** Thickness: **5mm**, Purity: 99.95%, Size: 50x50 mm to 200x200 mm
- W 003105** Thickness: **6mm**, Purity: 99.95%, Size: 100x100 mm
- W 003200** Thickness: **10mm**, Purity: 99.95%, Size: 50x50 mm to 150x150 mm

- W 003250** Thickness: **20mm**, Purity: 99.95%, Size: 20x40 mm



Sputtering Target

- W 009300** Thickness: **3.0mm**, Purity: 99.95%, Size: 25 mm to 101.6 mm
- W 009500** Thickness: **5mm**, Purity: 99.95%, Size: 60 mm
- W 009600** Thickness: **6.0mm**, Purity: 99.95%, Size: 20 mm to 152.4 mm
- W 009800** Thickness: **10mm**, Purity: 99.95%, Size: 60 mm



Mesh

- W 008710** Nominal Aperture: **0.15mm**, Wire diameter: 0.02mm, Wires/inch: 150, Open area: 75%, Purity: 99.95%, Type: Plain weave mesh, Size: 50x50 mm to 100x100 mm
- W 008720** Nominal Aperture: **0.2mm**, Wire diameter: 0.05mm, Wires/inch: 100, Open area: 64%, Purity: 99.95%, Type: Plain weave mesh, Size: 50x50 mm to 150x150 mm



Wire

- W 005105** Diameter: **0.004mm**, Purity: 99.95%, Temper: Hard, Condition: Clean
- W 005200** Diameter: **0.005mm**, Purity: 99.95%, Condition: Gold plated wire
- W 005110** Diameter: **0.005mm**, Purity: 99.95%, Temper: Hard, Condition: Clean
- W 005112** Diameter: **0.0075mm**, Purity: 99.95%, Temper: Hard
- W 005115** Diameter: **0.01mm**, Purity: 99.95%, Temper: Hard
- W 005210** Diameter: **0.01mm**, Purity: 99.95%, Condition: Gold plated wire
- W 005120** Diameter: **0.013mm**, Purity: 99.95%, Temper: Hard, Condition: Clean
- W 005220** Diameter: **0.015mm**, Purity: 99.95%, Condition: Gold plated wire
- W 005122** Diameter: **0.015mm**, Purity: 99.95%, Temper: Hard, Condition: Clean
- W 005125** Diameter: **0.018mm**, Purity: 99.95%, Temper: Hard, Condition: Clean
- W 005225** Diameter: **0.02mm**, Purity: 99.95%, Condition: Gold plated wire
- W 005230** Diameter: **0.025mm**, Purity: 99.95%, Condition: Gold plated wire
- W 005130** Diameter: **0.025mm**, Purity: 99.95%, Condition: Clean
- W 005234** Diameter: **0.030mm**, Purity: 99.95%, Condition: Gold plated wire
- W 005236** Diameter: **0.03mm**, Purity: 99.95%, Condition: Platinum plated wire
- W 005131** Diameter: **0.035mm**, Purity: 99.95%, Condition: Clean
- W 005132** Diameter: **0.04mm**, Purity: 99.95%, Condition: Clean
- W 005240** Diameter: **0.05mm**, Purity: 99.95%, Condition: Gold plated wire
- W 005135** Diameter: **0.05mm**, Purity: 99.95%, Condition: Clean
- W 005305** Diameter: **0.075mm**, Purity: 99.9 + %, Condition: Straight wire
- W 005137** Diameter: **0.08mm**, Purity: 99.95%, Condition: Clean

Metals

W 005245	Diameter: 0.08mm , Purity: 99.95%, Condition: Gold plated wire
W 005308	Diameter: 0.10mm , Purity: 99.9 + %, Condition: Straight wire
W 005250	Diameter: 0.1mm , Purity: 99.95%, Condition: Gold plated wire
W 005138	Diameter: 0.1mm , Purity: 99.95%, Condition: Clean
W 005309	Diameter: 0.115mm , Purity: 99.9 + %, Condition: Straight wire
W 005310	Diameter: 0.125mm , Purity: 99.9 + %, Condition: Straight wire
W 005260	Diameter: 0.125mm , Purity: 99.95%, Condition: Gold plated wire
W 005140	Diameter: 0.125mm , Purity: 99.95%, Condition: Clean
W 005315	Diameter: 0.15mm , Purity: 99.9 + %, Condition: Straight wire
W 005145	Diameter: 0.15mm , Purity: 99.95%, Condition: Clean
W 005147	Diameter: 0.175mm , Purity: 99.95%, Condition: Clean
W 005320	Diameter: 0.20mm , Purity: 99.9 + %, Condition: Straight wire
W 005148	Diameter: 0.2mm , Purity: 99.95%, Condition: Clean
W 005325	Diameter: 0.25mm , Purity: 99.9 + %, Condition: Straight wire
W 005150	Diameter: 0.25mm , Purity: 99.95%, Condition: Clean
W 005330	Diameter: 0.30mm , Purity: 99.9 + %, Condition: Straight wire
W 005153	Diameter: 0.3mm , Purity: 99.95%, Condition: Clean
W 005356	Diameter: 0.356mm , Purity: 99.95%, Condition: Straight wire
W 005335	Diameter: 0.38mm , Purity: 99.9 + %, Condition: Straight wire
W 005155	Diameter: 0.38mm , Purity: 99.95%, Condition: Clean
W 005457	Diameter: 0.457mm , Condition: Straight wire
W 005351	Diameter: 0.5mm , Purity: 99.9 + %, Condition: Straight wire
W 005160	Diameter: 0.5mm , Purity: 99.95%, Condition: Clean
W 005350	Diameter: 0.5mm , Purity: 99.9 + %, Condition: Straight wire
W 005162	Diameter: 0.6mm , Purity: 99.95%, Condition: Clean
W 005355	Diameter: 0.75mm , Purity: 99.9 + %, Condition: Straight wire
W 005165	Diameter: 0.75mm , Purity: 99.95%, Condition: Clean
W 005358	Diameter: 0.80mm , Purity: 99.9 + %, Condition: Straight wire
W 005360	Diameter: 1.0mm , Purity: 99.9 + %, Condition: Straight wire
W 005170	Diameter: 1.0mm , Purity: 99.95%, Condition: Clean
W 005172	Diameter: 1.2mm , Purity: 99.95%, Condition: Clean
W 005365	Diameter: 1.3mm , Purity: 99.9 + %, Condition: Straight wire, Condition: Chromium plated

W 005362	Diameter: 1.5mm , Purity: 99.9 + %, Condition: Straight wire
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Insulated Wire

W 005802	Conductor diameter: 0.0125mm , Insulation thickness: 0.0035mm, Purity: 99.9%, Insulation: Polyimide
W 005803	Conductor diameter: 0.015mm , Insulation thickness: 0.002mm, Purity: 99.9%, Insulation: Polyimide
W 005805	Conductor diameter: 0.025mm , Insulation thickness: 0.005mm, Purity: 99.9%, Insulation: Polyimide
W 005808	Conductor diameter: 0.05mm , Insulation thickness: 0.008mm, Purity: 99.9%, Insulation: Polyimide
W 005810	Conductor diameter: 0.075mm , Insulation thickness: 0.02mm, Purity: 99.9%, Insulation: PTFE (Polytetrafluoroethylene)
W 005812	Conductor diameter: 0.076mm , Insulation thickness: 0.012mm, Purity: 99.9%, Insulation: Nylon
W 005816	Conductor diameter: 0.125mm , Insulation thickness: 0.014mm, Purity: 99.9%, Insulation: Polyimide, Condition: Straight wire



Rod

W 007900	Diameter: 1.6mm , Purity: 99.95%, Condition: Centerless ground, Length: 100 mm to 1000 mm
W 007910	Diameter: 2.0mm , Purity: 99.95%, Condition: Centerless ground, Length: 100 mm to 1000 mm
W 007912	Diameter: 2.36mm , Purity: 99.95%, Condition: Clean, Length: 100 mm to 300 mm
W 007913	Diameter: 3.0mm , Purity: 99.95%, Condition: Centerless ground, Length: 100 mm to 1000 mm
W 007915	Diameter: 4.0mm , Purity: 99.95%, Condition: Centerless ground, Length: 100 mm to 1000 mm
W 007920	Diameter: 5.0mm , Purity: 99.95%, Condition: Centerless ground, Length: 100 mm to 1000 mm
W 007925	Diameter: 6.35mm , Purity: 99.95%, Condition: Centerless ground, Length: 100 mm to 1000 mm
W 007928	Diameter: 8.0mm , Purity: 99.95%, Condition: Centerless ground, Length: 50 mm to 500 mm
W 007929	Diameter: 9.5mm , Purity: 99.95%, Condition: Centerless ground, Length: 8.25 mm
W 007930	Diameter: 10.0mm , Purity: 99.95%, Condition: Centerless ground, Length: 50 mm to 500 mm
W 007932	Diameter: 12.0mm , Purity: 99.95%, Condition: Centerless ground, Length: 50 mm to 200 mm
W 007933	Diameter: 15mm , Purity: 99.95%, Condition: Centerless ground, Length: 100 mm
W 007935	Diameter: 16mm , Purity: 99.95%, Condition: Centerless ground, Length: 50 mm to 200 mm
W 007938	Diameter: 19.0mm , Purity: 99.95%, Condition: Centerless ground, Length: 81 mm
W 007940	Diameter: 20.0mm , Purity: 99.95%, Condition: Centerless ground, Length: 25 mm to 100 mm
W 007941	Diameter: 20.0mm , Purity: 99.95%, Condition: Centerless ground, Length: 18 mm
W 007950	Diameter: 25.0mm , Purity: 99.95%, Condition: Centerless ground, Length: 25 mm to 200 mm
W 007961	Diameter: 40mm , Purity: 99.95%, Condition: Centerless ground, Length: 50 mm to 100 mm
W 007965	Diameter: 50mm , Purity: 99.95%, Condition: Centerless ground, Length: 25 mm to 200 mm

Metals

W 007980 Diameter: **75mm**, Purity: 99.95%, Condition: Centerless ground, Length: 100 mm

W 007990 Diameter: **100mm**, Purity: 99.95%, Condition: Centerless ground, Length: 100 mm



Tube

W 007200 Outside Diameter: **1.6mm**, Wall Thickness: 0.5mm, Inside Diameter: 0.6mm, Purity: 99.95%, Length: 50 mm



Bolt

W 00BO30 Size: **M3 x 10mm**, Head Style: Hexagonal, Pitch: 0.5mm, Standard: ISO 4017:2011, Quantity: 10 pcs

W 00BO35 Size: **M3 x 20mm**, Head Style: Hexagonal, Pitch: 0.5mm, Standard: ISO 4017:2011, Quantity: 10 pcs

W 00BO38 Size: **M3 x 50mm**, Head Style: Hexagonal, Pitch: 0.5mm, Standard: ISO 4017:2011, Quantity: 10 pcs

W 00BO40 Size: **M4 x 10mm**, Head Style: Hexagonal, Pitch: 0.7mm, Standard: ISO 4017:2011, Quantity: 10 pcs

W 00BO45 Size: **M4 x 20mm**, Head Style: Hexagonal, Pitch: 0.7mm, Standard: ISO 4017:2011, Quantity: 10 pcs

W 00BO48 Size: **M4 x 50mm**, Head Style: Hexagonal, Pitch: 0.7mm, Standard: ISO 4017:2011, Quantity: 10 pcs

W 00BO50 Size: **M5 x 10mm**, Head Style: Hexagonal, Pitch: 0.8mm, Standard: ISO 4017:2011, Quantity: 10 pcs

W 00BO55 Size: **M5 x 30mm**, Head Style: Hexagonal, Pitch: 0.8mm, Standard: ISO 4017:2011, Quantity: 10 pcs

W 00BO58 Size: **M5 x 50mm**, Head Style: Hexagonal, Pitch: 0.8mm, Standard: ISO 4017:2011, Quantity: 10 pcs

W 00BO60 Size: **M6 x 10mm**, Head Style: Hexagonal, Pitch: 1.0mm, Standard: ISO 4017:2011, Quantity: 10 pcs

W 00BO65 Size: **M6 x 30mm**, Head Style: Hexagonal, Pitch: 1.0mm, Standard: ISO 4017:2011, Quantity: 10 pcs

W 00BO68 Size: **M6 x 50mm**, Head Style: Hexagonal, Pitch: 1.0mm, Standard: ISO 4017:2011, Quantity: 10 pcs



Nut

W 00NU03 Size: **M3**, Style: Hexagonal, Pitch: 0.5mm, Standard: ISO 4032:2012, Quantity: 10 pcs

W 00NU04 Size: **M4**, Style: Hexagonal, Pitch: 0.7mm, Standard: ISO 4032:2012, Quantity: 10 pcs

W 00NU05 Size: **M5**, Style: Hexagonal, Pitch: 0.8mm, Standard: ISO 4032:2012, Quantity: 25 pcs to 50 pcs

W 00NU06 Size: **M6**, Style: Hexagonal, Pitch: 1.0mm, Standard: ISO 4032:2012, Quantity: 25 pcs to 50 pcs



Washer

W 00WA03 Size: **M3**, Outside Diameter: 6.0mm, Inside Diameter: 3.2mm, Thickness: 1.0mm, Quantity: 10 pcs

W 00WA04 Size: **M4**, Outside Diameter: 8.0mm, Inside Diameter: 4.3mm, Thickness: 1.0mm, Quantity: 10 pcs

W 00WA05 Size: **M5**, Outside Diameter: 10.0mm, Inside Diameter: 5.3mm, Thickness: 1.0mm, Quantity: 10 pcs

W 00WA06 Size: **M6**, Outside Diameter: 12.0mm, Inside Diameter: 6.4mm, Thickness: 1.0mm, Quantity: 10 pcs



Powder

W 006015 Mean Particle size (FSSS): **<1micron**, Purity: 99.95%

W 006021 Max. Particle size: **25micron**, Purity: 99.9%

W 006030 Max. Particle size: **100micron**, Purity: 99.9%

W 006011 Max. Particle size: **250micron**, Min. Particle size: 50micron, Purity: 99.9%

W 006012 Max. Particle size: **250micron**, Min. Particle size: 50micron, Purity: 99.9%, Scott Density: High (> 150g/in³)



Lump

W 006100 Max. Lump size: **5mm**



Single Crystal

W 002051 Oriented: **(100)**, Thickness: 1mm, Diameter: 5mm, Purity: 99.99%, Condition: Unpolished

W 002052 Oriented: **(100)**, Thickness: 1mm, Diameter: 5mm, Purity: 99.99%, Condition: Polished on 1 side to 1 micron

W 002111 Oriented: **(100)**, Thickness: 2mm, Diameter: 9mm, Purity: 99.99%, Condition: Polished on 1 side to 1 micron

W 002110 Oriented: **(100)**, Thickness: 2mm, Diameter: 9mm, Purity: 99.99%, Condition: Unpolished

W 002113 Oriented: **(100)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.99%, Condition: Polished on 1 side to 1 micron

W 002112 Oriented: **(100)**, Thickness: 1mm, Diameter: 10mm, Purity: 99.99%, Condition: Unpolished

W 002053 Oriented: **(100)**, Diameter: 5mm, Length: 10mm, Purity: 99.99%

W 002079 Oriented: **(100)**, Diameter: 9mm, Length: 10mm, Purity: 99.99%

W 002082 Oriented: **(100)**, Diameter: 9mm, Length: 20mm, Purity: 99.99%

W 002054 Oriented: **(100)**, Diameter: 5mm, Length: 25mm, Purity: 99.99%, Condition: Polished on 1 side to 1 micron

W 002080 Oriented: **(100)**, Diameter: 9mm, Length: 25mm, Purity: 99.99%

W 002083 Oriented: **(100)**, Diameter: 9mm, Length: 40mm, Purity: 99.99%

W 002081 Oriented: **(100)**, Diameter: 9mm, Length: 50mm, Purity: 99.99%

W 002093 Oriented: **(110)**, Thickness: 2mm, Diameter: 5mm, Purity: 99.99%, Condition: Polished on 1 side to 1 micron

W 002092 Oriented: **(110)**, Thickness: 2mm, Diameter: 5mm, Purity: 99.99%, Condition: Unpolished

W 002057 Oriented: **(110)**, Diameter: 6mm, Length: 5mm, Purity: 99.99%

W 002070 Oriented: **(110)**, Diameter: 8mm, Length: 6mm, Purity: 99.99%

W 002095 Oriented: **(110)**, Thickness: 2mm, Diameter: 9mm, Purity: 99.99%, Condition: Polished on 1 side to 1 micron

W 002094 Oriented: **(110)**, Thickness: 2mm, Diameter: 9mm, Purity: 99.99%, Condition: Unpolished

Metals

- W 002058** Oriented: **(110)**, Diameter: 6mm, Length: 10mm, Purity: 99.99%
- W 002089** Oriented: **(110)**, Diameter: 9mm, Length: 10mm, Purity: 99.99%
- W 002060** Oriented: **(110)**, Diameter: 6mm, Length: 25mm, Purity: 99.99%
- W 002090** Oriented: **(110)**, Diameter: 9mm, Length: 25mm, Purity: 99.99%
- W 002059** Oriented: **(110)**, Diameter: 6mm, Length: 50mm, Purity: 99.99%
- W 002091** Oriented: **(110)**, Diameter: 9mm, Length: 50mm, Purity: 99.99%
- W 002166** Oriented: **(111)**, Thickness: 2mm, Diameter: 6mm, Purity: 99.99%, Condition: Polished on 1 side to 1 micron
- W 002165** Oriented: **(111)**, Thickness: 2mm, Diameter: 6mm, Purity: 99.99%, Condition: Unpolished
- W 002168** Oriented: **(111)**, Thickness: 2mm, Diameter: 9mm, Purity: 99.99%, Condition: Polished on 1 side to 1 micron
- W 002167** Oriented: **(111)**, Thickness: 2mm, Diameter: 9mm, Purity: 99.99%, Condition: Unpolished
- W 002130** Oriented: **(111)**, Diameter: 0.125mm, Length: 25mm, Purity: 99.99%
- W 002061** Oriented: **(111)**, Diameter: 6mm, Length: 25mm, Purity: 99.99%

Uranium (U)



Foil

- U 000200** Thickness: **0.025mm**, Purity: 99.9%, Condition: Natural, Size: 9x26 mm to 25x25 mm
- U 000210** Thickness: **0.178mm**, Purity: 99.98%, Condition: Natural, Size: 6x12 mm to 47x50 mm
- U 000220** Thickness: **0.5mm**, Purity: 99.9%, Condition: Natural, Size: 10x10 mm to 50x50 mm
- U 000230** Thickness: **1.0mm**, Purity: 99.9%, Condition: Natural, Size: 25x25 mm to 50x50 mm



Sputtering Target

- U 009600** Thickness: **6.0mm**, Condition: Depleted, Size: 50.8 mm
- U 009601** Thickness: **6.0mm**, Condition: Depleted, Condition: Alloyed with 6% Niobium by weight, Size: 50.8 mm



Wire

- U 005110** Diameter: **0.5mm**, Purity: 99.9%, Condition: Natural

Vanadium (V)



Microfoil

- V 004500** Thinness: **0.1µm**, Specific density: 60.8µg.cm⁻², Purity: 99.8 + %, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm
- V 004600** Thinness: **0.25µm**, Specific density: 140.4µg.cm⁻², Purity: 99.8 + %, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm
- V 004850** Thinness: **1.0µm**, Specific density: 611µg.cm⁻², Purity: 99.8 + %, Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm



Foil

- V 000080** Thickness: **0.001mm**, Purity: 99.8%, Size: 25x25 mm to 50x50 mm
- V 000090** Thickness: **0.002mm**, Purity: 99.8%, Size: 25x25 mm to 50x50 mm
- V 000100** Thickness: **0.003mm**, Purity: 99.8%, Size: 25x25 mm to 50x50 mm
- V 000110** Thickness: **0.004mm**, Purity: 99.8%, Size: 25x25 mm to 50x50 mm
- V 000120** Thickness: **0.005mm**, Purity: 99.8%, Size: 25x25 mm to 100x100 mm
- V 000130** Thickness: **0.006mm**, Purity: 99.8%, Size: 25x25 mm to 100x100 mm
- V 000140** Thickness: **0.007mm**, Purity: 99.8%, Size: 25x25 mm to 100x100 mm
- V 000150** Thickness: **0.008mm**, Purity: 99.8%, Size: 25x25 mm to 100x100 mm
- V 000170** Thickness: **0.01mm**, Purity: 99.8%, Size: 25x25 mm to 100x100 mm
- V 000251** Thickness: **0.0125mm**, Purity: 99.8%, Size: 25x25 mm to 100x100 mm
- V 000180** Thickness: **0.015mm**, Purity: 99.8%, Size: 50x50 mm to 150x150 mm
- V 000190** Thickness: **0.02mm**, Purity: 99.8%, Size: 50x50 mm to 150x150 mm
- V 000270** Thickness: **0.025mm**, Purity: 99.8%, Temper: As rolled, Coil width 300 mm, Size: 300x300 mm
- V 000300** Thickness: **0.040mm**, Purity: 99.8%, Temper: As rolled, Size: 25x25 mm to 150x150 mm
- V 000310** Thickness: **0.125mm**, Purity: 99.8%, Temper: As rolled, Size: 25x25 mm to 50x50 mm
- V 000315** Thickness: **0.2mm**, Purity: 99.8%, Temper: As rolled, Size: 25x25 mm to 150x300 mm
- V 000320** Thickness: **0.25mm**, Purity: 99.8%, Temper: As rolled, Size: 25x25 mm to 150x150 mm
- V 000330** Thickness: **0.5mm**, Purity: 99.8%, Temper: As rolled, Size: 25x25 mm to 300x300 mm
- V 000340** Thickness: **1.0mm**, Purity: 99.8%, Temper: As rolled, Size: 25x25 mm to 300x300 mm
- V 000360** Thickness: **2.0mm**, Purity: 99.8%, Temper: As rolled, Size: 25x25 mm to 100x100 mm
- V 000370** Thickness: **3.15mm**, Purity: 99.8%, Temper: As rolled, Size: 25x25 mm to 100x100 mm



Sputtering Target

- V 009300** Thickness: **3.0mm**, Purity: 99.8%, Size: 25 mm to 75 mm
- V 009600** Thickness: **6.0mm**, Purity: 99.8%, Size: 25 mm to 75 mm



Wire

- V 005105** Diameter: **0.1mm**, Purity: 99.8%, Temper: As drawn
- V 005110** Diameter: **0.25mm**, Purity: 99.8%, Temper: Hard
- V 005120** Diameter: **0.5mm**, Purity: 99.8%, Temper: As drawn
- V 005130** Diameter: **1.0mm**, Purity: 99.8%, Temper: Stress relieved



Rod

- V 007901** Diameter: **1.2mm**, Purity: 99.8%, Length: 100 mm to 1000 mm
- V 007903** Diameter: **1.4mm**, Purity: 99.8%, Temper: As drawn, Length: 100 mm to 500 mm

Metals

V 007902 Diameter: **2.0mm**, Purity: 99.8%, Temper: As drawn, Length: 100 mm to 500 mm

V 007910 Diameter: **3.5mm**, Purity: 99.8%, Length: 100 mm to 500 mm

V 007930 Diameter: **5.0mm**, Purity: 99.8%, Length: 50 mm to 500 mm

V 007935 Diameter: **8.0mm**, Purity: 99.8%, Length: 50 mm to 200 mm

V 007937 Diameter: **11mm**, Purity: 99.8%, Length: 25 mm to 100 mm

V 007960 Diameter: **20.0mm**, Purity: 99.8%, Length: 25 mm to 100 mm

V 007965 Diameter: **25.0mm**, Purity: 99.8%, Length: 25 mm to 100 mm

V 007980 Diameter: **50.0mm**, Purity: 99.8%, Length: 25 mm to 100 mm



Powder

V 006030 Max. Particle size: **45micron**, Purity: 99.7 + %



Lump

V 006101 Max. Lump size: **4mm**, Purity: 99.6%, Condition: Pellets

V 006105 Max. Lump size: **10mm**, Purity: 99.6%, Condition: Pellets

V 006100 Max. Lump size: **50mm**, Purity: 99.6%, Condition: Turnings



Single Crystal

V 002111 Oriented: **(100)**, Thickness: 2mm, Diameter: 12mm, Purity: 99.99%, Condition: Polished on 1 side to 1 micron

V 002110 Oriented: **(100)**, Thickness: 2mm, Diameter: 12mm, Purity: 99.99%, Condition: Unpolished

V 002059 Oriented: **(110)**, Diameter: 6mm, Length: 10mm, Purity: 99.99%

V 002119 Oriented: **(110)**, Diameter: 12mm, Length: 10mm, Purity: 99.99%

V 002113 Oriented: **(110)**, Thickness: 2mm, Diameter: 12mm, Purity: 99.99%, Condition: Polished on 1 side to 1 micron

V 002112 Oriented: **(110)**, Thickness: 2mm, Diameter: 12mm, Purity: 99.99%, Condition: Unpolished

V 002060 Oriented: **(110)**, Diameter: 6mm, Length: 25mm, Purity: 99.99%

V 002120 Oriented: **(110)**, Diameter: 12mm, Length: 25mm, Purity: 99.99%

V 002061 Oriented: **(110)**, Diameter: 6mm, Length: 50mm, Purity: 99.99%

V 002121 Oriented: **(110)**, Diameter: 12mm, Length: 50mm, Purity: 99.99%

Ytterbium (Yb)



Foil

YB000205 Thickness: **0.005mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm

YB000200 Thickness: **0.025mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

YB000215 Thickness: **0.125mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

YB000230 Thickness: **0.25mm**, Tolerance: 20 %, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

YB000260 Thickness: **0.80mm**, Purity: 99%, Temper: As rolled, Size: 30x30 mm to 125x125 mm



Sputtering Target

YB009100 Thickness: **1.0mm**, Purity: 99%, Size: 50 mm to 75 mm



Wire

YB005111 Diameter: **1.0mm**, Purity: 99.9%

YB005110 Diameter: **1.0mm**, Purity: 99.9%, Condition: Square section wire



Rod

YB007905 Diameter: **2.0mm**, Purity: 99%, Condition: Cast, Length: 50 mm

YB007910 Diameter: **6.35mm**, Purity: 99%, Condition: Cast, Length: 50 mm to 100 mm

YB007920 Diameter: **10.0mm**, Purity: 99%, Condition: Cast, Length: 50 mm to 100 mm



Powder

YB006010 Max. Particle size: **500micron**, Purity: 99.9%



Lump

YB006100 Max. Lump size: **25mm**, Purity: 99.9%

Yttrium (Y)



Foil

Y 000205 Thickness: **0.005mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm

Y 000200 Thickness: **0.025mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

Y 000210 Thickness: **0.1mm**, Purity: 99%, Temper: As rolled, Diameter: 12 mm

Y 000215 Thickness: **0.125mm**, Tolerance: 20%, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm

Y 000220 Thickness: **0.15mm**, Tolerance: 20%, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

Y 000230 Thickness: **0.25mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm

Y 000250 Thickness: **0.50mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 100x100 mm

Y 000500 Thickness: **1.0mm**, Purity: 99%, Temper: As rolled, Size: 25x25 mm to 50x50 mm



Sputtering Target

Y 009100 Thickness: **1.0mm**, Purity: 99%, Size: 25 mm to 75 mm



Wire

Y 005105 Diameter: **0.5mm**, Purity: 99.9%

Y 005110 Diameter: **1.0mm**, Purity: 99.9%

Y 005111 Diameter: **1.0mm**, Purity: 99.9%, Condition: Square section wire



Rod

Y 007905 Diameter: **2.0mm**, Purity: 99%, Condition: Cast, Length: 50 mm

Y 007910 Diameter: **6.35mm**, Purity: 99%, Condition: Cast, Length: 50 mm to 100 mm

Y 007930 Diameter: **12.5mm**, Purity: 99%, Condition: Cast, Length: 50 mm to 100 mm

Metals



Powder

Y 006010 Max. Particle size: **500micron**, Purity: 99.9%



Lump

Y 006100 Max. Lump size: **50mm**, Purity: 99.9%

Zinc (Zn)



Foil

ZN000060 Thickness: **0.001mm**, Purity: 99.9%, Size: 25x25 mm to 50x50 mm

ZN000080 Thickness: **0.0025mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

ZN000110 Thickness: **0.005mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

ZN000160 Thickness: **0.01mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

ZN000180 Thickness: **0.015mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

ZN000190 Thickness: **0.02mm**, Purity: 99.9%, Size: 25x25 mm to 100x100 mm

ZN000220 Thickness: **0.025mm**, Purity: 99.95 + %, Temper: As rolled, Coil width 150 mm, Size: 150x150 mm

ZN000225 Thickness: **0.025mm**, High Purity: 99.99 + %, Temper: As rolled, Coil width 150 mm, Size: 100x100 mm to 150x150 mm

ZN000235 Thickness: **0.05mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

ZN000230 Thickness: **0.05mm**, Purity: 99.95 + %, Temper: As rolled, Coil width 152 mm, Size: 25x25 mm to 150x150 mm

ZN000240 Thickness: **0.075mm**, Purity: 99.95 + %, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

ZN000250 Thickness: **0.1mm**, Purity: 99.95 + %, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

ZN000275 Thickness: **0.125mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

ZN000270 Thickness: **0.125mm**, Purity: 99.95 + %, Temper: As rolled, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

ZN000280 Thickness: **0.15mm**, Purity: 99.95 + %, Temper: As rolled, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

ZN000290 Thickness: **0.175mm**, Purity: 99.95 + %, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

ZN000295 Thickness: **0.20mm**, Purity: 99.95 + %, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

ZN000305 Thickness: **0.25mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 150x150 mm

ZN000301 Thickness: **0.25mm**, Purity: 99.95 + %, Temper: As rolled, Coil width 203 mm, Size: 25x25 mm to 150x150 mm

ZN000308 Thickness: **0.35mm**, Purity: 99.95 + %, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

ZN000315 Thickness: **0.5mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

ZN000312 Thickness: **0.5mm**, Purity: 99.95 + %, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

ZN000311 Thickness: **0.5mm**, Purity: 99.7%, Temper: As rolled, Size: 100x100 mm to 600x1130 mm

ZN000322 Thickness: **1.0mm**, Purity: 99.95 + %, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

ZN000325 Thickness: **1.0mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 300x300 mm

ZN000318 Thickness: **1.0mm**, Purity: 99.7%, Temper: As rolled, Size: 200x200 mm to 500x1000 mm

ZN000330 Thickness: **1.25mm**, High Purity: 99.998%, Temper: As rolled, Size: 50x145 mm

ZN000350 Thickness: **1.5mm**, Purity: 99.95 + %, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

ZN000370 Thickness: **2.0mm**, Purity: 99.95 + %, Temper: As rolled, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

ZN000375 Thickness: **3mm**, Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

ZN000380 Thickness: **6mm**, High Purity: 99.99 + %, Temper: As rolled, Size: 25x25 mm to 100x100 mm

ZN000381 Thickness: **6mm**, High Purity: 99.99 + %, Temper: As rolled, Condition: Polished on both sides, Size: 50x50 mm to 100x100 mm



Sputtering Target

ZN009300 Thickness: **3.0mm**, Purity: 99.99 + %, Size: 25 mm to 75 mm

ZN009500 Thickness: **5mm**, Purity: 99.99 + %, Size: 31 mm

ZN009600 Thickness: **6.0mm**, Purity: 99.99 + %, Size: 50 mm to 75 mm



Foam

ZN003810 Thickness: **10mm**, Bulk density: 0.28g.cm⁻³, Pores/cm: 4, Purity: 99.99%, Condition: 99.99% Zinc deposited on a polyurethane foam, Maximum use temperature: 50°C, Size: 150x150 mm

ZN003811 Thickness: **10mm**, Bulk density: 0.28g.cm⁻³, Pores/cm: 4, Purity: 99.99%, Condition: 99.99% Zinc deposited on a polyurethane foam, Maximum use temperature: 50°C, Size: 300x300 mm

ZN003805 Thickness: **10mm**, Bulk density: 0.95g.cm⁻³, Purity: 99.99%, Condition: Closed cell, Size: 100x100 mm

ZN003812 Thickness: **20mm**, Bulk density: 0.28g.cm⁻³, Pores/cm: 4, Purity: 99.99%, Condition: 99.99% Zinc deposited on a polyurethane foam, Maximum use temperature: 50°C, Size: 150x150 mm

ZN003813 Thickness: **20mm**, Bulk density: 0.28g.cm⁻³, Pores/cm: 4, Purity: 99.99%, Condition: 99.99% Zinc deposited on a polyurethane foam, Maximum use temperature: 50°C, Size: 300x300 mm



Wire

ZN005080 Diameter: **0.025mm**, Purity: 99.0%, Temper: As drawn

ZN005090 Diameter: **0.05mm**, Purity: 99.0%, Temper: As drawn

Metals

- ZN005100** Diameter: **0.125mm**, Purity: 99.0%, Temper: As drawn
- ZN005115** Diameter: **0.25mm**, High Purity: 99.99 + %, Temper: As drawn
- ZN005120** Diameter: **0.5mm**, High Purity: 99.99 + %, Temper: As drawn
- ZN005133** Diameter: **1.0mm**, High Purity: 99.999%
- ZN005132** Diameter: **1.0mm**, High Purity: 99.99 + %
- ZN005131** Diameter: **1.0mm**, Purity: 99.9%, Condition: Extruded
- ZN005140** Diameter: **2.0mm**, High Purity: 99.99 + %
- ZN005135** Diameter: **2.0mm**, Purity: 99.9%, Condition: Extruded
- ZN005145** Diameter: **3.0mm**, Purity: 99.9%, Condition: Extruded
- ZN005150** Diameter: **6.35mm**, High Purity: 99.99 + %



Rod

- ZN007902** Diameter: **2.0mm**, High Purity: 99.99 + %, Length: 100 mm to 1000 mm
- ZN007906** Diameter: **3.0mm**, Purity: 99.99 + %, Length: 100 mm to 1000 mm
- ZN007905** Diameter: **4.8mm**, High Purity: 99.99 + %, Length: 100 mm to 1000 mm
- ZN007908** Diameter: **6.0mm**, Purity: 99.99 + %, Condition: Cast, Length: 100 mm to 500 mm
- ZN007911** Diameter: **7.0mm**, High Purity: 99.99 + %, Length: 100 mm to 500 mm
- ZN007914** Diameter: **7.62mm**, Purity: 99.9%, Length: 100 mm to 1000 mm
- ZN007915** Diameter: **8mm**, High Purity: 99.999%, Length: 50 mm to 245 mm
- ZN007920** Diameter: **10.0mm**, Purity: 99.9%, Length: 100 mm to 1000 mm
- ZN007930** Diameter: **10.0mm**, High Purity: 99.99 + %, Length: 100 mm to 1000 mm
- ZN007936** Diameter: **12.0mm**, Purity: 99.9%, Length: 100 mm to 1000 mm
- ZN007940** Diameter: **19mm**, Purity: 99.9%, Condition: Cast, Length: 100 mm to 900 mm
- ZN007950** Diameter: **19.0mm**, High Purity: 99.99 + %, Condition: Cast, Length: 100 mm to 500 mm



Powder

- ZN006021** Max. Particle size: **5micron**, Min. Particle size: 1micron, Purity: 99.0%
- ZN006010** Mean Particle size: **7.5micron**, Purity: 98.8%
- ZN006040** Max. Particle size: **150micron**, Purity: 99.9%
- ZN006030** Max. Particle size: **150micron**, High Purity: 99.999%



Lump

- ZN006100** Max. Lump size: **2mm**, Purity: 99.98%, Condition: Shot
- ZN006110** Max. Lump size: **6mm**, High Purity: 99.9998%, Condition: Shot
- ZN006120** Max. Lump size: **10mm**, Purity: 99.99%
- ZN006125** Max. Lump size: **10mm**, Purity: 99.99%, Condition: Pellets



Single Crystal

- ZN002118** Oriented: **(0001)**, Diameter: 12mm, Length: 10mm, Purity: 99.999%

- ZN002111** Oriented: **(0001)**, Thickness: 2mm, Diameter: 12mm, Purity: 99.999%, Condition: Polished on 1 side to 1 micron

- ZN002110** Oriented: **(0001)**, Thickness: 2mm, Diameter: 12mm, Purity: 99.999%, Condition: Unpolished

- ZN002119** Oriented: **(0001)**, Diameter: 12mm, Length: 25mm, Purity: 99.999%

- ZN002120** Oriented: **(0001)**, Diameter: 12mm, Length: 50mm, Purity: 99.999%

Zirconium (Zr)



Foil

- ZR000070** Thickness: **0.001mm**, Purity: 99.2%, Size: 25x25 mm to 50x50 mm
- ZR000080** Thickness: **0.002mm**, Purity: 99.2%, Size: 25x25 mm to 50x50 mm
- ZR000090** Thickness: **0.0025mm**, Purity: 99.2%, Size: 25x25 mm to 50x50 mm
- ZR000100** Thickness: **0.003mm**, Purity: 99.2%, Size: 25x25 mm to 100x100 mm
- ZR000110** Thickness: **0.004mm**, Purity: 99.2%, Size: 25x25 mm to 100x100 mm
- ZR000120** Thickness: **0.005mm**, Purity: 99.2%, Size: 25x25 mm to 100x100 mm
- ZR000130** Thickness: **0.006mm**, Purity: 99.2%, Size: 25x25 mm to 150x150 mm
- ZR000140** Thickness: **0.007mm**, Purity: 99.2%, Size: 150x150 mm
- ZR000150** Thickness: **0.008mm**, Purity: 99.2%, Size: 150x150 mm
- ZR000160** Thickness: **0.009mm**, Purity: 99.2%, Size: 150x150 mm
- ZR000170** Thickness: **0.01mm**, Purity: 99.2%, Size: 25x25 mm to 100x100 mm
- ZR000202** Thickness: **0.01mm**, Purity: 99.2%, Coil width 204 mm, Size: 25x25 mm to 200x200 mm
- ZR000180** Thickness: **0.0125mm**, Purity: 99.2%, Size: 150x150 mm
- ZR000190** Thickness: **0.015mm**, Purity: 99.2%, Size: 25x25 mm to 100x100 mm
- ZR000205** Thickness: **0.016mm**, Purity: 99.2%, Coil width 110 mm, Size: 25x25 mm to 100x300 mm
- ZR000200** Thickness: **0.02mm**, Purity: 99.2%, Coil width 200 mm, Size: 200x300 mm
- ZR000210** Thickness: **0.025mm**, Purity: 99.2%, Temper: Annealed, Coil width 205 mm, Size: 25x25 mm to 200x300 mm
- ZR000220** Thickness: **0.05mm**, Purity: 99.2%, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
- ZR000240** Thickness: **0.075mm**, Purity: 99.2%, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 200x300 mm
- ZR000260** Thickness: **0.1mm**, Purity: 99.2%, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 200x300 mm
- ZR000270** Thickness: **0.125mm**, Purity: 99.2%, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
- ZR000290** Thickness: **0.2mm**, Purity: 99.2%, Temper: Annealed, Size: 25x25 mm
- ZR000300** Thickness: **0.25mm**, Purity: 99.2%, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

Metals

ZR000310 Thickness: **0.5mm**, Purity: 99.2%, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

ZR000320 Thickness: **1.0mm**, Purity: 99.2%, Temper: Annealed, Diameter: 50 mm

ZR000321 Thickness: **1.0mm**, Purity: 99.2%, Temper: Annealed, Condition: Hafnium > 0.2%, Size: 25x25 mm to 300x300 mm

ZR000350 Thickness: **2.0mm**, Purity: 99.2%, Temper: Annealed, Size: 25x25 mm to 150x150 mm

ZR000370 Thickness: **3.6mm**, Purity: 99.2%, Temper: Annealed, Size: 150x150 mm to 300x300 mm

ZR000380 Thickness: **7.0mm**, Purity: 99.2%, Temper: Annealed, Size: 150x150 mm to 200x500 mm



Sputtering Target

ZR009300 Thickness: **3.5mm**, Purity: 99.2%, Condition: Hafnium > 0.2%, Size: 25 mm to 50 mm

ZR009512 Thickness: **6.0mm**, Purity: 99.2%, Size: 120 mm

ZR009515 Thickness: **6.0mm**, Purity: 99.2%, Size: 152.4 mm

ZR009520 Thickness: **6.0mm**, Purity: 99.2%, Size: 203.2 mm

ZR009700 Thickness: **7.0mm**, Purity: 99.2%, Size: 50 mm to 75 mm



Wire

ZR005110 Diameter: **0.05mm**, Purity: 99.2%, Temper: As drawn

ZR005120 Diameter: **0.125mm**, Purity: 99.2%, Condition: Stress relieved

ZR005130 Diameter: **0.25mm**, Purity: 99.2%, Temper: As drawn

ZR005134 Diameter: **0.28mm**, Purity: 99.2%, Temper: Annealed

ZR005135 Diameter: **0.5mm**, Purity: 99.2%, Temper: As drawn

ZR005143 Diameter: **1.0mm**, Purity: 99.2%, Temper: Annealed, Condition: Hafnium > 0.2%



Rod

ZR007905 Diameter: **1.5mm**, Purity: 99.2%, Length: 100 mm to 1000 mm

ZR007910 Diameter: **2.0mm**, Purity: 99.2%, Condition: Centerless ground, Length: 100 mm to 1000 mm

ZR007915 Diameter: **3.0mm**, Purity: 99.2%, Condition: Centerless ground, Condition: Hafnium > 0.2%, Length: 100 mm to 1000 mm

ZR007920 Diameter: **5.0mm**, Purity: 99.2%, Condition: Centerless ground, Condition: Hafnium > 0.2%, Length: 100 mm to 1000 mm

ZR007924 Diameter: **6.0mm**, Purity: 99.2%, Condition: Centerless ground, Length: 100 mm to 1000 mm

ZR007930 Diameter: **9.5mm**, Purity: 99.2%, Condition: Centerless ground, Condition: Hafnium > 0.2%, Length: 100 mm to 1000 mm

ZR007931 Diameter: **10.0mm**, Purity: 99.2%, Condition: Centerless ground, Condition: Hafnium > 0.2%, Length: 100 mm to 1000 mm

ZR007935 Diameter: **12.7mm**, Purity: 99.2%, Condition: Centerless ground, Condition: Hafnium > 0.2%, Length: 100 mm to 1000 mm

ZR007938 Diameter: **16mm**, Purity: 99.2%, Condition: Centerless ground, Condition: Hafnium > 0.2%, Length: 100 mm to 1000 mm

ZR007940 Diameter: **19.0mm**, Purity: 99.2%, Condition: Centerless ground, Condition: Hafnium > 0.2%, Length: 50 mm to 1000 mm

ZR007960 Diameter: **50mm**, Purity: 99.2%, Condition: Centerless ground, Length: 25 mm to 100 mm



Tube

ZR007160 Outside Diameter: **1.6mm**, Wall Thickness: 0.25mm, Inside Diameter: 1.1mm, Purity: 99.2%, Temper: Hard, Length: 100 mm to 1000 mm

ZR007200 Outside Diameter: **2.0mm**, Wall Thickness: 0.2mm, Inside Diameter: 1.6mm, Purity: 99.2%, Temper: Annealed, Length: 100 mm to 1000 mm

ZR007400 Outside Diameter: **6.35mm**, Wall Thickness: 0.9mm, Inside Diameter: 4.55mm, Purity: 99.2%, Temper: Annealed, Length: 100 mm to 1000 mm

ZR007510 Outside Diameter: **9.52mm**, Wall Thickness: 1.6mm, Inside Diameter: 6.32mm, Purity: 99.2%, Temper: Annealed, Length: 188 mm

ZR007620 Outside Diameter: **12.7mm**, Wall Thickness: 1.6mm, Inside Diameter: 9.5mm, Purity: 99.2%, Temper: Annealed, Length: 100 mm to 1000 mm

ZR007600 Outside Diameter: **12.7mm**, Wall Thickness: 0.9mm, Inside Diameter: 10.9mm, Purity: 99.2%, Temper: Annealed, Length: 214 mm



Crucible

ZR008605 Shape: **Cylindrical**, Outside Diameter: 21mm, Inside Diameter: 19mm, Height: 19mm, Capacity: 5ml, Quantity: 1 pcs

ZR008610 Shape: **Cylindrical**, Outside Diameter: 27mm, Inside Diameter: 25mm, Height: 22mm, Capacity: 10ml, Quantity: 1 pcs

ZR008615 Shape: **Cylindrical**, Outside Diameter: 33mm, Inside Diameter: 31mm, Height: 22mm, Capacity: 15ml, Quantity: 1 pcs

ZR008620 Shape: **Cylindrical**, Outside Diameter: 33mm, Inside Diameter: 31mm, Height: 29mm, Capacity: 20ml, Quantity: 1 pcs

ZR008625 Shape: **Cylindrical**, Outside Diameter: 47mm, Inside Diameter: 45mm, Height: 22mm, Capacity: 25ml, Quantity: 1 pcs

ZR008635 Shape: **Cylindrical**, Outside Diameter: 47mm, Inside Diameter: 45mm, Height: 29mm, Capacity: 35ml, Quantity: 1 pcs

ZR008645 Shape: **Cylindrical**, Outside Diameter: 47mm, Inside Diameter: 45mm, Height: 34mm, Capacity: 45ml, Quantity: 1 pcs

ZR008655 Shape: **Cylindrical**, Outside Diameter: 47mm, Inside Diameter: 45mm, Height: 41mm, Capacity: 55ml, Quantity: 1 pcs

ZR008675 Shape: **Cylindrical**, Outside Diameter: 51mm, Inside Diameter: 49mm, Height: 41mm, Capacity: 75ml, Quantity: 1 pcs

ZR008680 Shape: **Cylindrical**, Outside Diameter: 59mm, Inside Diameter: 57mm, Height: 45mm, Capacity: 100ml, Quantity: 1 pcs

ZR008685 Shape: **Cylindrical**, Outside Diameter: 83mm, Inside Diameter: 81mm, Height: 57mm, Capacity: 250ml, Quantity: 1 pcs

ZR008690 Shape: **Cylindrical**, Outside Diameter: 104mm, Inside Diameter: 102mm, Height: 63mm, Capacity: 500ml, Quantity: 1 pcs

ZR008695 Shape: **Cylindrical**, Outside Diameter: 127mm, Inside Diameter: 125mm, Height: 89mm, Capacity: 1000ml, Quantity: 1 pcs

Metals

ZR008698 Shape: **Cylindrical**, Outside Diameter: 152mm, Inside Diameter: 150mm, Height: 99mm, Capacity: 1500ml, Quantity, : 1 pcs



Powder

ZR006015 Max. Particle size: **45micron**, Purity: 99.2%, Condition:
In aqueous suspension (min 30% water)



Lump

ZR006150 Max. Lump size: **4mm**, Purity: 99.2%, Condition:
Pellets - nominally 3mm diameter x 3mm length,
Condition: Hafnium > 0.2%

ZR006151 Max. Lump size: **8mm**, Purity: 99.2%, Condition:
Pellets - nominally 6.35mm diameter x 6.35mm
length, Condition: Hafnium > 0.2%

ZR006100 Max. Lump size: **25mm**, Purity: 99.2%,
Condition: Sponge

Alloys

Silver/Gold (Ag70/Au30)



Lump

AG096100 Max. Lump size: 4mm

Silver/Palladium (Ag70/Pd30)



Foil

AG200300 Thickness: 0.15mm, Temper: As rolled, Size: 25x25 mm to 100x100 mm



Tube

AG207200 Outside Diameter: 2.2mm, Wall Thickness: 0.1mm, Inside Diameter: 2.0mm, Length: 100 mm to 500 mm

Silver/Copper (Ag72/Cu28)



Foil

AG060220 Thickness: 0.05mm, Coil width 100 mm, Size: 50x50 mm to 100x100 mm

AG060250 Thickness: 0.25mm, Coil width 100 mm, Size: 50x50 mm to 100x100 mm

AG060400 Thickness: 2.0mm, Size: 50x50 mm to 100x100 mm



Wire

AG065120 Diameter: 0.25mm, Temper: As drawn

AG065140 Diameter: 0.5mm, Temper: As drawn

AG065150 Diameter: 0.8mm, Temper: As drawn

AG065160 Diameter: 1.0mm, Temper: As drawn



Rod

AG067910 Diameter: 2.0mm, Temper: As drawn, Length: 100 mm to 1000 mm

AG067950 Diameter: 12.5mm, Temper: As drawn, Length: 50 mm to 200 mm



Powder

AG066015 Max. Particle size: 45micron

Silver/Copper (Ag85/Cu15)



Foil

AA080210 Thickness: 0.007mm, Coil width: 0.1mm, Temper: As rolled, Length: 0.5 m to 10 m

Silver/Copper (Ag92.5/Cu 7.5)



Foil

AA150360 Thickness: 0.5mm, Temper: As rolled, Size: 25x25 mm to 150x150 mm

Silver/Zirconium/Copper (Ag97/Zr 2/Cu 1)



Powder

AA146010 Max. Particle size: 45micron, Condition: Atomized

Silver/Antimony (Ag99/Sb 1)



Wire

AA065150 Diameter: 0.5mm, Temper: As drawn

Aluminum alloy EN AC 42100 (Al 91.7/Si 7/Mg 0.3)



Foam

AB283821 Thickness: 20mm, Bulk density: 0.133g.cm⁻³, Pores/cm: 4, Size: 100x150 mm to 260x290 mm

AB283820 Thickness: 40mm, Bulk density: 0.133g.cm⁻³, Pores/cm: 4, Size: 100x150 mm to 260x290 mm

Aluminium alloy EN 576 (Al 99.7)



Foam

AX203821 Thickness: 20mm, Bulk density: 0.135g.cm⁻³, Pores/cm: 4, Size: 100x150 mm to 220x260 mm

AX203820 Thickness: 40mm, Bulk density: 0.135g.cm⁻³, Pores/cm: 4, Size: 100x150 mm to 220x260 mm

Aluminum/Iron (Al50/Fe50)



Powder

AL106020 Max. Particle size: 150micron, Purity: 99.999%, Condition: Alloy Pre-cursor

Aluminum/Nickel (Al50/Ni50)



Powder

AL116010 Max. Particle size: 150micron, Condition: Alloy Pre-cursor

Aluminum/Silicon (Al65.7/Si34.3)



Powder

AL156010 Max. Particle size: 150micron, Condition: Alloy Pre-cursor

Aluminum/Silicon (Al75/Si25)



Powder

AL146010 Max. Particle size: 150micron, Condition: Alloy Pre-cursor

Aluminum/Titanium (Al75/Ti25 (Atomic %))



Lump

AD036100 Max. Lump size: 100mm

Aluminum/Silicon (Al88/Si12)



Foil

AL130700 Thickness: 1.0mm, Size: 50x50 mm to 150x150 mm

AL130750 Thickness: 2.0mm, Size: 50x50 mm to 150x150 mm

AL130900 Thickness: 7.0mm, Size: 71x88 mm



Wire

AL135040 Diameter: 0.4mm, Temper: As drawn



Rod

AL137910 Diameter: 10mm, Condition: Extruded, Length: 100 mm to 1000 mm

AL137920 Diameter: 15mm, Condition: Extruded, Length: 50 mm to 500 mm

Alloys



Powder

AL136011 Max. Particle size: **150micron**, Condition: Atomized

AL136010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Aluminum/Silicon (Al90/Si10)



Sputtering Target

AL129050 Thickness: **5mm**, Size: 62 mm

Aluminum alloy 7075 (Al90/Zn 5.5/Mg 2.5/Cu 1.5/Si 0.5)



Foil

AL200300 Thickness: **0.4mm**, Temper: T6, Size: 150x150 mm to 300x300 mm

AL200400 Thickness: **1.0mm**, Temper: T6, Size: 150x150 mm to 300x300 mm

AL200500 Thickness: **2.5mm**, Temper: T6, Size: 100x100 mm to 300x300 mm

Aluminium alloy 2014 (Al92/Cu 8/Mn 1/Si 1/Fe 0.5/Mg)



Foil

AB100550 Thickness: **1.50mm**, Size: 150x150 mm to 300x300 mm

AB100560 Thickness: **2.65mm**, Size: 150x150 mm to 300x300 mm



Rod

AB107920 Diameter: **22.2mm**, Length: 100 mm to 1000 mm

Aluminum/Magnesium (Al92.1/Mg 7.9)



Powder

AD106010 Max. Particle size: **63micron**, Condition: Atomized

Aluminum alloy 2011 (Al93/Cu 5.3/Fe 0.7/Si 0.4/Pb 0.3/B)



Rod

AD287910 Diameter: **6.35mm**, Length: 100 mm to 1000 mm

Aluminium alloy 2024 (Al93.5/Cu 4.5/Mg 1.5/Mn 0.5)



Foil

AB200350 Thickness: **1.6mm**, Temper: T3, Cladding: Aluminum, Size: 150x150 mm to 300x300 mm

AB200400 Thickness: **2.5mm**, Temper: T3, Cladding: Aluminum, Size: 150x150 mm to 300x300 mm

AB200450 Thickness: **3.0mm**, Temper: T3, Cladding: Aluminum, Size: 150x150 mm to 300x300 mm

Aluminum/Copper (Al94/Cu 6)



Foil

AD220212 Thickness: **0.125mm**, Temper: As rolled, Size: 25x25 mm to 200x200 mm

Aluminium alloy 2319 (Al94/Cu 6)



Wire

AX155160 Diameter: **1.2mm**

Aluminum/Nickel (Al94.3/Ni 5.7)



Rod

AD097920 Diameter: **8mm**, Temper: As drawn, Length: 100 mm to 1000 mm

Aluminum alloy 5056 (Al94.65/Mg 5/Mn 0.35)



Wire

AJ065120 Diameter: **0.05mm**, Temper: Hard

Dural® - Aluminum/Copper/ Magnesium (Al95/Cu 4/Mg 1)

Avional®, Dural®, Hiduminium®



Rod

AL047920 Diameter: **22.2mm**, Condition: Solution treated, Length: 92 mm to 500 mm



Tube

AL047105 Outside Diameter: **0.53mm**, Wall Thickness: 0.051mm, Inside Diameter: 0.428mm, Temper: As drawn, Length: 100 mm to 1000 mm

AL047110 Outside Diameter: **0.81mm**, Wall Thickness: 0.051mm, Inside Diameter: 0.708mm, Temper: As drawn, Length: 100 mm to 1000 mm

Aluminum/Lithium/Copper (Al95/Li 2.5/Cu 1.5/Mg 1)



Tube

AL197250 Outside Diameter: **24mm**, Wall Thickness: 1mm, Inside Diameter: 22mm, Length: 100 mm to 1000 mm

Aluminum alloy 5083 (Al95/Mg 4.5/Mn 0.5)



Foil

AB040390 Thickness: **1.0mm**, Size: 150x150 mm to 300x300 mm

AB040400 Thickness: **1.2mm**, Size: 150x150 mm to 300x300 mm

Aluminum alloy 5019 (Al95/Mg 5)



Wire

AB245120 Diameter: **0.05mm**, Temper: Hard

AB245125 Diameter: **0.08mm**, Temper: Hard

AB245130 Diameter: **0.12mm**, Temper: Hard

Aluminum/Magnesium (Al95/Mg 5)



Foil

AL020200 Thickness: **0.03mm**, Temper: As rolled, Size: 25x25 mm to 40x50 mm



Wire

AL025130 Diameter: **0.4mm**, Temper: Annealed

Alloys



Tube

- AL027080** Outside Diameter: **0.61mm**, Wall Thickness: 0.07mm, Inside Diameter: 0.47mm, Temper: As drawn, Length: 100 mm to 1000 mm
- AL027090** Outside Diameter: **0.74mm**, Wall Thickness: 0.063mm, Inside Diameter: 0.614mm, Temper: As drawn, Length: 100 mm to 1000 mm
- AL027100** Outside Diameter: **0.75mm**, Wall Thickness: 0.125mm, Inside Diameter: 0.5mm, Temper: Hard, Length: 100 mm to 1000 mm
- AL027110** Outside Diameter: **1.73mm**, Wall Thickness: 0.075mm, Inside Diameter: 1.58mm, Temper: As drawn, Length: 100 mm to 1000 mm

Aluminum/Silicon (Al96/Si 4)



Powder

- AB036010** Max. Particle size: **150micron**

Aluminum/Magnesium/Manganese/ Chromium (Al96.45/Mg 2.6/Mn 0.8/Cr 0.15)



Tube

- AD057150** Outside Diameter: **2.1mm**, Wall Thickness: 0.25mm, Inside Diameter: 1.6mm, Temper: As drawn, Length: 100 mm to 435 mm

Aluminium alloy 5754 (Al97/Mg 3)



Foil

- AB180300** Thickness: **1mm**, Temper: Annealed, Size: 150x150 mm to 600x600 mm
- AB180350** Thickness: **2mm**, Temper: Annealed, Size: 150x150 mm to 600x600 mm



Rod

- AB187910** Diameter: **6.35mm**, Condition: Extruded, Length: 100 mm to 1000 mm

Aluminum/Magnesium (Al97/Mg 3)



Foil

- AL010202** Thickness: **0.002mm**, Size: 50x50 mm to 50x100 mm
- AL010210** Thickness: **0.01mm**, Coil width 220 mm, Size: 100x100 mm to 220x300 mm
- AL010220** Thickness: **0.0125mm**, Temper: As rolled, Coil width 220 mm, Size: 220x300 mm
- AL010225** Thickness: **0.015mm**, Temper: As rolled, Coil width 200 mm, Size: 25x25 mm to 200x200 mm
- AL010230** Thickness: **0.03mm**, Temper: As rolled, Coil width 200 mm, Size: 25x25 mm to 200x200 mm
- AL010235** Thickness: **0.06mm**, Temper: As rolled, Coil width 200 mm, Size: 25x25 mm to 200x200 mm
- AL010240** Thickness: **0.1mm**, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- AL010250** Thickness: **0.2mm**, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- AL010260** Thickness: **0.25mm**, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- AL010270** Thickness: **0.50mm**, Temper: As rolled, Size: 25x25 mm to 150x150 mm



Rod

- AL017920** Diameter: **20mm**, Length: 100 mm to 1000 mm



Tube

- AL017100** Outside Diameter: **0.53mm**, Wall Thickness: 0.075mm, Inside Diameter: 0.38mm, Temper: As drawn, Length: 100 mm to 1000 mm
- AL017140** Outside Diameter: **0.74mm**, Wall Thickness: 0.065mm, Inside Diameter: 0.61mm, Temper: As drawn, Length: 100 mm to 1000 mm
- AL017160** Outside Diameter: **0.75mm**, Wall Thickness: 0.125mm, Inside Diameter: 0.5mm, Temper: As drawn, Length: 570 mm to 600 mm
- AL017150** Outside Diameter: **0.75mm**, Wall Thickness: 0.1mm, Inside Diameter: 0.55mm, Temper: As drawn, Length: 100 mm to 1000 mm
- AL017200** Outside Diameter: **1.0mm**, Wall Thickness: 0.075mm, Inside Diameter: 0.85mm, Temper: As drawn, Length: 100 mm to 1000 mm
- AL017250** Outside Diameter: **1.5mm**, Wall Thickness: 0.125mm, Inside Diameter: 1.25mm, Temper: As drawn, Length: 100 mm to 1000 mm
- AL017210** Outside Diameter: **1.5mm**, Wall Thickness: 0.050mm, Inside Diameter: 1.4mm, Temper: As drawn, Length: 100 mm to 1000 mm

Aluminum alloy 6082 (Al97.4/Si 1/Mg 0.9/Mn 0.7)



Foil

- AL220300** Thickness: **1.0mm**, Temper: T6, Size: 150x150 mm to 300x300 mm



Tube

- AL227100** Outside Diameter: **6.35mm**, Wall Thickness: 1.63mm, Inside Diameter: 3.09mm, Condition: Solution treated, Length: 100 mm to 1000 mm

Aluminum/Magnesium (Al97.5/Mg 2.5)



Foil

- AL210350** Thickness: **0.5mm**, Temper: H32, Size: 100x100 mm to 300x300 mm



Wire

- AL215140** Diameter: **0.4mm**, Temper: As drawn
- AL215150** Diameter: **0.5mm**, Temper: Annealed

Aluminum/Silicon/Magnesium/ Manganese (Al97.5/Si 1.0/Mg 0.8/Mn 0.7)



Rod

- AJ047940** Diameter: **9.5mm**, Condition: Extruded, Length: 100 mm to 1000 mm

Aluminum alloy 5251 (Al97.7/Mg 2/Mn 0.3)



Foil

- AL230750** Thickness: **1.5mm**, Size: 50x50 mm to 300x300 mm
- AL230751** Thickness: **1.5mm**, Condition: Mirror polished on both sides, Size: 50x50 mm to 500x500 mm

Alloys

Aluminum/Copper (Al98/Cu 2)



Lump

AD156100 Max. Lump size: 6mm

Aluminium alloy 6061 (Al98/Mg 1/Si 0.6)



Foil

AB190300 Thickness: 1.0mm, Temper: Annealed, Size: 150x150 mm to 600x600 mm

AB190302 Thickness: 1.0mm, Temper: T6, Size: 150x150 mm to 600x600 mm

AB190350 Thickness: 2.0mm, Temper: Annealed, Size: 150x150 mm to 600x600 mm

AB190352 Thickness: 2.0mm, Temper: T6, Size: 150x150 mm to 600x600 mm

AB190400 Thickness: 3.0mm, Temper: T6, Size: 150x150 mm to 600x600 mm

Aluminum/Magnesium/Silicon (Al98/Mg 1/Si 0.6)



Foil

AL030200 Thickness: 0.03mm, Temper: As rolled, Size: 25x25 mm



Wire

AL035120 Diameter: 0.025mm, Temper: As drawn

AL035130 Diameter: 0.05mm, Temper: As drawn

AL035140 Diameter: 0.125mm, Temper: As drawn

AL035150 Diameter: 0.25mm, Temper: As drawn

AL035160 Diameter: 0.5mm, Temper: As drawn

AL035170 Diameter: 1.0mm, Temper: As drawn

Aluminum/Magnesium/Silicon (Al98/Mg 1/Si 1)



Foil

AL080330 Thickness: 0.7mm, Temper: Annealed, Size: 50x50 mm to 300x300 mm



Tube

AL087100 Outside Diameter: 6.35mm, Wall Thickness: 0.71mm, Inside Diameter: 4.93mm, Temper: Hard, Length: 100 mm to 1000 mm

AL087300 Outside Diameter: 12.7mm, Wall Thickness: 1.22mm, Inside Diameter: 10.26mm, Temper: Hard, Length: 100 mm to 1000 mm

AL087500 Outside Diameter: 25.4mm, Wall Thickness: 3.25mm, Inside Diameter: 18.9mm, Temper: Hard, Length: 100 mm to 1000 mm

Aluminum alloy 3003 (Al98/Mn 1/Fe 0.5/Si 0.5)



Honeycomb

AB112500 Thickness: 20mm, Cell size: 6.35mm, Cell Wall: 0.0635mm, Core Density: 0.052g.cm⁻³, Condition: Non-perforated, Size: 300x300 mm to 600x600 mm

AB112600 Thickness: 20mm, Cell size: 12.7mm, Cell Wall: 0.07mm, Core Density: 0.037g.cm⁻³, Condition: Non-perforated, Size: 300x300 mm to 600x600 mm

AB112800 Thickness: 100mm, Cell size: 6.35mm, Cell Wall: 0.0381mm, Core Density: 0.019g.cm⁻³, Condition: Non-perforated, Size: 300x300 mm to 600x600 mm

Aluminum/Manganese (Al98/Mn 2 (Atomic %))



Lump

AJ186100 Max. Lump size: 10mm

Aluminum/Silicon (Al98/Si 2)



Powder

AL166010 Max. Particle size: 150micron, Condition: Alloy Pre-cursor

Aluminum/Nickel (Al98.5/Ni 1.5)



Rod

AL297920 Diameter: 8mm, Length: 100 mm to 1000 mm

AL297930 Diameter: 12.7mm, Length: 100 mm to 1000 mm

AL297940 Diameter: 14mm, Length: 100 mm to 1000 mm

Aluminum/Cobalt (Al99/Co 1 (Atomic %))



Wire

AB235120 Diameter: 0.5mm

Aluminum/Magnesium/Silicon (Al99/Mg 0.5/Si 0.5)



Wire

AL185150 Diameter: 0.25mm, Temper: As drawn



Rod

AL187910 Diameter: 5.0mm, Length: 100 mm to 1000 mm

Aluminum/Silicon (Al99/Si 1)



Foil

AL050520 Thickness: 0.075mm, Temper: As rolled, Size: 25x25 mm to 150x150 mm

AL050600 Thickness: 2.0mm, High Purity: 99.998%, Temper: As rolled, Size: 50x50 mm to 150x150 mm

AL050650 Thickness: 3.0mm, High Purity: 99.998%, Temper: As rolled, Size: 50x50 mm to 150x150 mm

AL050680 Thickness: 6.0mm, High Purity: 99.998%, Temper: As rolled, Size: 50x50 mm to 150x150 mm



Sputtering Target

AL059300 Thickness: 3.0mm, High Purity: 99.998%, Size: 50.8 mm to 76.2 mm

AL059600 Thickness: 6.0mm, Purity: 99.998%, Size: 50.8 mm to 101.6 mm



Wire

AL055115 Diameter: 0.0125mm, Temper: Hard

AL055120 Diameter: 0.025mm, Temper: Hard

AL055130 Diameter: 0.05mm, Temper: Hard

AL055140 Diameter: 0.125mm, Temper: Hard

Alloys

AL055150 Diameter: **0.25mm**, Temper: Hard

AL055160 Diameter: **0.5mm**, Temper: Hard

AL055170 Diameter: **1mm**, Temper: Hard



Rod

AL057930 Diameter: **3mm**, High Purity: 99.998%, Length: 12 mm

AL057935 Diameter: **5mm**, Bulk density: 2.7g.cm⁻³, Length: 100 mm to 1000 mm

AL057960 Diameter: **18mm**, Temper: As drawn, Length: 100 mm to 500 mm

Aluminum/Manganese (Al99.35/Mn 0.65)



Lump

AD086100 Max. Lump size: **6mm**, Condition: Granular

Aluminum/Cobalt (Al99.5/Co 0.5)



Wire

AD195160 Diameter: **1.0mm**, Temper: As drawn

Aluminum/Manganese (Al99.7/Mn 0.3)



Lump

AD066100 Max. Lump size: **6mm**, Condition: Granular

Aluminum/Cobalt (Al99.9/Co 0.1)



Wire

AD205140 Diameter: **0.25mm**, Temper: As drawn

AD205160 Diameter: **1.0mm**, Temper: As drawn

Gold/Silver (Au50/Ag50 (Atomic %))



Rod

AU217910 Diameter: **3.0mm**, Temper: As drawn, Length: 10 mm to 25 mm

Gold/Palladium (Au75/Pd25)



Foil

AU010300 Thickness: **0.2mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm



Tube

AU017200 Outside Diameter: **3.0mm**, Wall Thickness: 0.15mm, Inside Diameter: 2.7mm, Temper: As drawn, Length: 25 mm to 100 mm

Gold/Palladium (Au80/Pd20)



Sputtering Target

AU189100 Thickness: **0.10mm**, Tolerance: 15%, Size: 50 mm to 57 mm

AU189110 Thickness: **0.20mm**, Tolerance: 15%, Size: 50 mm to 57 mm

Gold/Tin (Au80/Sn20)



Foil

AU060220 Thickness: **0.025mm**, Temper: As rolled, Size: 20x20 mm to 25x25 mm

AU060221 Thickness: **0.025mm**, Temper: As rolled, Size: 50x50 mm

AU060230 Thickness: **0.05mm**, Temper: As rolled, Size: 25x25 mm

AU060250 Thickness: **0.1mm**, Temper: As rolled, Size: 25x25 mm

AU060251 Thickness: **0.1mm**, Temper: As rolled, Size: 50x50 mm



Wire

AU065110 Diameter: **0.125mm**, Temper: As drawn

AU065120 Diameter: **0.25mm**, Temper: As drawn

AU065140 Diameter: **0.5mm**, Temper: As drawn

AU065160 Diameter: **1.0mm**, Temper: As drawn



Rod

AU067920 Diameter: **3.0mm**, Length: 25 mm to 50 mm

Gold/Nickel (Au82/Ni18)

Nioro[®]



Foil

AU050220 Thickness: **0.05mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm

AU050250 Thickness: **0.25mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm



Wire

AU055125 Diameter: **0.025mm**, Temper: Annealed

AU055140 Diameter: **0.25mm**, Temper: Annealed

AU055150 Diameter: **0.5mm**, Temper: Annealed

AU055160 Diameter: **0.80mm**, Temper: Annealed

AU055170 Diameter: **1.0mm**, Temper: Annealed

Gold/Germanium Eutectic (Au88/Ge12)



Foil

AU040250 Thickness: **0.025mm**, Coil width: 1mm, Length: 0.2 m to 5 m

AU040260 Thickness: **0.025mm**, Size: 25x25 mm to 50x100 mm



Lump

AU046100 Max. Lump size: **10mm**

Gold/Palladium (Au93/Pd 7)



Wire

AC015140 Diameter: **0.5mm**, Temper: As drawn

Gold/Tin (Au98/Sn 2)



Wire

AU085150 Diameter: **0.5mm**

Gold/Antimony (Au99/Sb 1)



Wire

AU145140 Diameter: **0.50mm**, Temper: Annealed

AU145150 Diameter: **1.0mm**, Temper: Annealed

Alloys

Gold/Germanium (Au99.5/Ge 0.5)



Wire

AE035160 Diameter: 1.0mm

Gold/Iron (Au99.93/Fe 0.07 (Atomic %))



Wire

AU075125 Diameter: 0.025mm, Temper: Annealed

AU075150 Diameter: 0.050mm, Temper: Annealed



Insulated Wire

AU075840 Conductor diameter: 0.1mm, Insulation thickness: 0.01mm, Insulation: PTFE (Polytetrafluoroethylene)

Woods Metal (Bi50/Pb25/Cd12.5/Sn12.5)



Lump

BI026100 Max. Lump size: 100mm

Roses Metal (Bi50/Pb28/Sn22)



Lump

BI036100 Max. Lump size: 100mm

Bismuth/Lead (Bi55.5/Pb44.5)



Lump

BI076100 Max. Lump size: 100mm

Bismuth/Indium/Tin (Bi57/In26/Sn17)



Lump

BI166100 Max. Lump size: 100mm

Bismuth/Tin (Bi58/Sn42)



Lump

BI116100 Max. Lump size: 100mm, Condition: Ingot

Bismuth/Antimony (Bi90/Sb10)



Lump

BI196100 Max. Lump size: 6mm

Cobalt/Chromium/Iron/Nickel/ Molybdenum/Manganese (Co40/Cr20/Fe15/Ni15/Mo 7/Mn 2/C/ Be)



Foil

CO120240 Thickness: 0.10mm, Temper: Half hard, Coil width 65 mm, Size: 25x25 mm to 50x50 mm



Wire

CO125140 Diameter: 0.25mm, Temper: Hard

CO125150 Diameter: 0.5mm, Temper: Hard

CO125160 Diameter: 1.0mm, Temper: Hard

Havar® - High-Strength Non- Magnetic Alloy (Co42.5/Cr20/Ni13/Fe/W/Mo/Mn)



Foil

CO010210 Thickness: 0.004mm, Temper: As rolled, Size: 25x25 mm to 50x50 mm

CO010215 Thickness: 0.0045mm, Temper: As rolled, Size: 25x25 mm to 50x50 mm

CO010220 Thickness: 0.005mm, Temper: As rolled, Size: 25x25 mm to 50x50 mm

CO010230 Thickness: 0.01mm, Temper: As rolled, Coil width 100 mm, Size: 25x25 mm to 100x100 mm

CO010240 Thickness: 0.0125mm, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

CO010245 Thickness: 0.020mm, Temper: As rolled, Coil width 100 mm, Size: 25x25 mm to 100x100 mm

CO010250 Thickness: 0.025mm, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

CO010260 Thickness: 0.035mm, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

CO010270 Thickness: 0.05mm, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

CO010300 Thickness: 0.075mm, Temper: As rolled, Coil width 200 mm, Size: 25x25 mm to 150x150 mm

CO010400 Thickness: 0.2mm, Temper: As rolled, Coil width 100 mm, Size: 25x25 mm to 100x100 mm

CO010410 Thickness: 0.5mm, Temper: As rolled, Coil width 212 mm, Size: 25x25 mm to 100x100 mm

Permendur 49® (Co49/Fe49/V 2)



Foil

CO150240 Thickness: 0.1mm, Temper: As rolled, Coil width 305 mm, Size: 25x25 mm to 300x300 mm



Sheet

CO153025 Thickness: 0.25mm, Temper: As rolled, Size: 50x50 mm to 180x500 mm

CO153035 Thickness: 0.35mm, Temper: As rolled, Size: 60x100 mm to 195x200 mm

CO153050 Thickness: 0.50mm, Temper: As rolled, Size: 50x50 mm to 300x300 mm



Rod

CO157912 Diameter: 12mm, Condition: Hot rolled (black), Length: 50 mm to 200 mm

CO157940 Diameter: 25.4mm, Condition: Hot rolled (black), Length: 50 mm to 100 mm

CO157945 Diameter: 37mm, Condition: Hot rolled (black), Length: 25 mm to 50 mm

CO157950 Diameter: 39mm, Condition: Hot rolled (black), Length: 88 mm

CO157960 Diameter: 61mm, Condition: Hot rolled (black), Length: 10 mm to 100 mm

Cobalt/Chromium/Tungsten/Nickel/ Iron/Manganese (Co50/Cr20/W 15/Ni10/Fe 3/Mn 2)



Foil

CN010300 Thickness: 0.25mm, Coil width 300 mm, Size: 50x50 mm to 300x300 mm

Alloys

CN010400 Thickness: **0.6mm**, Size: 150x150 mm to 300x300 mm



Rod

CN017920 Diameter: **9.8mm**, Length: 50 mm to 500 mm

Cobalt/Iron (Co50/Fe50 (Atomic %))



Sputtering Target

CK109300 Thickness: **3.0mm**, Size: 25.4 mm to 50.8 mm

Cobalt/Tungsten (Co50/W 50)



Powder

CO106010 Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

Cobalt/Chromium (Co70/Cr30)



Powder

CO056011 Max. Particle size: **45micron**, Condition: Atomized, Condition: Spherical

Cobalt/Aluminum (Co79/Al21)



Powder

CO036010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Cobalt/Iron (Co80/Fe20)



Lump

CK226100 Max. Lump size: **5mm**

Cobalt/Chromium (Co86/Cr14)



Powder

CK266010 Max. Particle size: **150micron**, Condition: Atomized

Cobalt/Aluminum (Co90/Al10)



Powder

CO026010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Cobalt/Titanium (Co94/Ti 6)



Powder

CO086010 Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

Chromium/Nickel (Cr50/Ni50)



Powder

CR026010 Max. Particle size: **420micron**

Chromium/Titanium (Cr70/Ti30)



Powder

CR156010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Chromium/Aluminum (Cr80/Al20)



Powder

CR016025 Max. Particle size: **300micron**

Nickel Silver (Cu45/Zn43/Ni10/Pb2)



Rod

CZ047910 Diameter: **6.35mm**, Length: 100 mm to 1000 mm

CZ047930 Diameter: **20.5mm**, Length: 100 mm to 1000 mm

Constantan® - Resistance Alloy (Cu55/Ni45)

Ferry®, Hecnum®, Telconstan®, Constantan®



Foil

CU040200 Thickness: **0.005mm**, Temper: As rolled, Coil width 109 mm, Size: 25x25 mm to 100x100 mm

CU040210 Thickness: **0.01mm**, Temper: As rolled, Coil width 210 mm, Size: 25x25 mm to 150x150 mm

CU040220 Thickness: **0.0125mm**, Temper: As rolled, Coil width 100 mm, Size: 25x25 mm to 100x100 mm

CU040225 Thickness: **0.02mm**, Temper: As rolled, Coil width 305 mm, Size: 150x150 mm to 300x300 mm

CU040235 Thickness: **0.025mm**, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

CU040236 Thickness: **0.025mm**, Temper: As rolled, Coil width 305 mm, Size: 300x300 mm

CU040240 Thickness: **0.05mm**, Temper: As rolled, Coil width 200 mm, Size: 25x25 mm to 150x150 mm

CU040241 Thickness: **0.05mm**, Temper: As rolled, Coil width 305 mm, Size: 300x300 mm

CU040250 Thickness: **0.1mm**, Temper: As rolled, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

CU040300 Thickness: **0.2mm**, Temper: As rolled, Size: 50x50 mm to 150x150 mm

CU040350 Thickness: **0.25mm**, Temper: As rolled, Coil width 100 mm, Size: 50x50 mm to 100x100 mm

CU040400 Thickness: **0.3mm**, Temper: As rolled, Size: 100x100 mm to 150x150 mm

CU040380 Thickness: **0.50mm**, Temper: As rolled, Coil width 110 mm, Size: 50x50 mm to 100x110 mm

CU040450 Thickness: **1.0mm**, Temper: Annealed, Size: 50x50 mm to 300x1000 mm



Sputtering Target

CU049300 Thickness: **3.0mm**, Size: 50.8 mm to 75 mm



Wire

CU045110 Diameter: **0.025mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

CU045120 Diameter: **0.05mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

CU045130 Diameter: **0.125mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

CU045140 Diameter: **0.25mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

CU045145 Diameter: **0.4mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

Alloys

CU045150 Diameter: **0.5mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

CU045160 Diameter: **1.0mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple



Insulated Wire

CU045815 Conductor diameter: **0.025mm**, Insulation thickness: 0.003mm, Insulation: Polyurethane, Thermocouple wire: May be used as one component of a Thermocouple

CU045820 Conductor diameter: **0.05mm**, Insulation thickness: 0.005mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple

CU045830 Conductor diameter: **0.07mm**, Insulation thickness: 0.01mm, Insulation: Polyurethane, Thermocouple wire: May be used as one component of a Thermocouple

CU045840 Conductor diameter: **0.1mm**, Insulation thickness: 0.01mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple

CU045845 Conductor diameter: **0.125mm**, Insulation thickness: 0.01mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple

CU045850 Conductor diameter: **0.25mm**, Insulation thickness: 0.022mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple

CU045855 Conductor diameter: **0.3mm**, Insulation thickness: 0.04mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple



Rod

CU047906 Diameter: **3.2mm**, Temper: Annealed, Length: 100 mm to 1000 mm

CU047910 Diameter: **4.0mm**, Temper: Annealed, Length: 100 mm to 1000 mm

CU047920 Diameter: **8mm**, Temper: Annealed, Length: 100 mm to 1000 mm

CU047925 Diameter: **10mm**, Temper: Annealed, Length: 100 mm to 1000 mm

CU047940 Diameter: **25.4mm**, Condition: Cold finished, Length: 50 mm to 200 mm

Copper/Titanium (Cu56.4/Ti43.6)



Powder

CU276010 Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

Leaded Brass (Cu58/Zn39/Pb 3)



Rod

CW147910 Diameter: **10.0mm**, Length: 100 mm to 1000 mm

CW147920 Diameter: **20.0mm**, Length: 100 mm to 1000 mm

Nickel Silver (Cu62/Ni18/Zn20)

Awa[®], Nickeloid[®], Silmet[®], Spedex[®]



Foil

CU100400 Thickness: **0.30mm**, Temper: As rolled, Size: 100x100 mm to 300x300 mm

CU100450 Thickness: **0.60mm**, Temper: Annealed, Size: 100x100 mm to 600x600 mm



Tube

CU107083 Outside Diameter: **0.83mm**, Wall Thickness: 0.06mm, Inside Diameter: 0.71mm, Temper: Hard, Length: 100 mm to 1000 mm

CU107100 Outside Diameter: **0.91mm**, Wall Thickness: 0.19mm, Inside Diameter: 0.53mm, Temper: As drawn, Length: 100 mm to 950 mm

CU107120 Outside Diameter: **1.0mm**, Wall Thickness: 0.1mm, Inside Diameter: 0.8mm, Temper: As drawn, Length: 100 mm to 1000 mm

CU107140 Outside Diameter: **1.1mm**, Wall Thickness: 0.21mm, Inside Diameter: 0.68mm, Temper: As drawn, Length: 100 mm to 970 mm

CU107160 Outside Diameter: **1.28mm**, Wall Thickness: 0.120mm, Inside Diameter: 1.04mm, Temper: As drawn, Length: 100 mm to 1000 mm

CU107180 Outside Diameter: **1.3mm**, Wall Thickness: 0.275mm, Inside Diameter: 0.75mm, Temper: As drawn, Length: 100 mm to 1000 mm

CU107200 Outside Diameter: **1.4mm**, Wall Thickness: 0.3mm, Inside Diameter: 0.8mm, Temper: As drawn, Length: 100 mm to 1000 mm

CU107220 Outside Diameter: **1.5mm**, Wall Thickness: 0.17mm, Inside Diameter: 1.16mm, Temper: As drawn, Length: 100 mm to 1000 mm

CU107240 Outside Diameter: **1.6mm**, Wall Thickness: 0.15mm, Inside Diameter: 1.3mm, Temper: As drawn, Length: 500 mm to 1000 mm

CU107260 Outside Diameter: **1.7mm**, Wall Thickness: 0.2mm, Inside Diameter: 1.3mm, Temper: As drawn, Length: 100 mm to 1000 mm

CU107320 Outside Diameter: **1.8mm**, Wall Thickness: 0.45mm, Inside Diameter: 0.9mm, Temper: As drawn, Length: 100 mm to 1000 mm

CU107300 Outside Diameter: **1.8mm**, Wall Thickness: 0.28mm, Inside Diameter: 1.24mm, Temper: As drawn, Length: 100 mm to 750 mm

CU107280 Outside Diameter: **1.8mm**, Wall Thickness: 0.175mm, Inside Diameter: 1.45mm, Temper: As drawn, Length: 100 mm to 1000 mm

CU107340 Outside Diameter: **2.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 1mm, Temper: As drawn, Length: 100 mm to 490 mm

CU107360 Outside Diameter: **2.3mm**, Wall Thickness: 0.2mm, Inside Diameter: 1.9mm, Temper: As drawn, Length: 100 mm to 1000 mm

CU107380 Outside Diameter: **3.0mm**, Wall Thickness: 0.075mm, Inside Diameter: 2.85mm, Temper: As drawn, Length: 100 mm to 1000 mm

CU107400 Outside Diameter: **4.0mm**, Wall Thickness: 0.25mm, Inside Diameter: 3.5mm, Temper: As drawn, Length: 100 mm to 500 mm

Brass (Cu63/Zn37)

Boltomet L[®], IMI 237[®], MS 63



Foil

CU020200 Thickness: **0.005mm**, Temper: As rolled, Coil width 100 mm, Size: 25x25 mm to 100x100 mm

Alloys

- CU020205** Thickness: **0.008mm**, Temper: Hard, Coil width 200 mm, Size: 25x25 mm to 200x200 mm
- CU020208** Thickness: **0.01mm**, Temper: Hard, Coil width 300 mm, Size: 300x300 mm
- CU020210** Thickness: **0.0125mm**, Temper: Half hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- CU020220** Thickness: **0.025mm**, Temper: Hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- CU020230** Thickness: **0.038mm**, Temper: Hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- CU020240** Thickness: **0.05mm**, Temper: Half hard, Coil width 152.4 mm, Size: 25x25 mm to 150x150 mm
- CU020250** Thickness: **0.075mm**, Temper: Half hard, Coil width 165 mm, Size: 25x25 mm to 300x300 mm
- CU020260** Thickness: **0.1mm**, Temper: Half hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- CU020261** Thickness: **0.1mm**, Temper: Hard, Condition: Flattened, Size: 150x150 mm to 300x450 mm
- CU020270** Thickness: **0.125mm**, Temper: Half hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- CU020276** Thickness: **0.125mm**, Temper: Half hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- CU020280** Thickness: **0.15mm**, Temper: Half hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- CU020290** Thickness: **0.15mm**, Temper: Hard, Size: 25x25 mm to 150x150 mm
- CU020291** Thickness: **0.15mm**, Temper: Half hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- CU020300** Thickness: **0.25mm**, Temper: Half hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- CU020301** Thickness: **0.25mm**, Temper: Half hard, Coil width 300 mm, Size: 300x300 mm
- CU020375** Thickness: **0.38mm**, Temper: Half hard, Coil width 165 mm, Size: 25x25 mm to 150x150 mm
- CU020400** Thickness: **0.5mm**, Temper: Half hard, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
- CU020450** Thickness: **1.0mm**, Temper: Half hard, Size: 50x50 mm to 600x600 mm
- CU020500** Thickness: **1.42mm**, Temper: Half hard, Size: 25x25 mm
- CU020600** Thickness: **2.0mm**, Temper: Half hard, Size: 50x50 mm to 600x600 mm
- CU020620** Thickness: **3.0mm**, Temper: Half hard, Size: 75x75 mm to 300x300 mm
- CU020630** Thickness: **4.0mm**, Size: 50x50 mm to 200x410 mm
- CU020650** Thickness: **6.0mm**, Temper: Half hard, Size: 75x75 mm to 300x300 mm



Wire

- CU025120** Diameter: **0.08mm**, Temper: Hard
- CU025130** Diameter: **0.125mm**, Temper: Hard
- CU025140** Diameter: **0.25mm**, Temper: Hard
- CU025150** Diameter: **0.5mm**, Temper: Hard
- CU025160** Diameter: **1.0mm**, Temper: Hard



Rod

- CU027910** Diameter: **2.0mm**, Temper: As drawn, Length: 100 mm to 1000 mm
- CU027916** Diameter: **3.3mm**, Temper: As drawn, Length: 100 mm to 1000 mm

- CU027920** Diameter: **5.0mm**, Temper: As drawn, Length: 100 mm to 1000 mm

- CU027930** Diameter: **10.0mm**, Temper: Annealed, Length: 100 mm to 1000 mm



Bar

- CU028020** Side Length: **6.35mm**, Side Length (of longer side): 12.7mm, Length: 100 mm to 1000 mm



Tube

- CU027100** Outside Diameter: **0.61mm**, Wall Thickness: 0.18mm, Inside Diameter: 0.25mm, Temper: As drawn, Length: 100 mm to 900 mm

- CU027101** Outside Diameter: **0.61mm**, Wall Thickness: 0.089mm, Inside Diameter: 0.432mm, Temper: As drawn, Length: 95 mm

- CU027150** Outside Diameter: **0.76mm**, Wall Thickness: 0.25mm, Inside Diameter: 0.26mm, Temper: As drawn, Length: 100 mm to 1000 mm

- CU027170** Outside Diameter: **1.18mm**, Wall Thickness: 0.23mm, Inside Diameter: 0.72mm, Temper: As drawn, Length: 100 mm to 1000 mm

- CU027171** Outside Diameter: **1.18mm**, Wall Thickness: 0.23mm, Inside Diameter: 0.72mm, Temper: As drawn, Length: 31 mm

- CU027180** Outside Diameter: **1.24mm**, Wall Thickness: 0.19mm, Inside Diameter: 0.86mm, Temper: As drawn, Length: 100 mm to 1000 mm

- CU027200** Outside Diameter: **1.5mm**, Wall Thickness: 0.25mm, Inside Diameter: 1mm, Temper: As drawn, Length: 100 mm to 1000 mm

- CU027250** Outside Diameter: **1.83mm**, Wall Thickness: 0.27mm, Inside Diameter: 1.29mm, Temper: As drawn, Length: 100 mm to 1000 mm

- CU027280** Outside Diameter: **2.2mm**, Wall Thickness: 0.57mm, Inside Diameter: 1.06mm, Temper: As drawn, Length: 100 mm to 1000 mm

- CU027300** Outside Diameter: **2.26mm**, Wall Thickness: 0.28mm, Inside Diameter: 1.7mm, Temper: As drawn, Length: 100 mm to 1000 mm

- CU027500** Outside Diameter: **3.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 2mm, Temper: As drawn, Length: 100 mm to 1000 mm

- CU027450** Outside Diameter: **3.0mm**, Wall Thickness: 0.3mm, Inside Diameter: 2.4mm, Temper: As drawn, Length: 100 mm to 1000 mm

- CU027600** Outside Diameter: **3.56mm**, Wall Thickness: 0.41mm, Inside Diameter: 2.74mm, Temper: As drawn, Length: 100 mm to 1000 mm

- CU027750** Outside Diameter: **7.0mm**, Wall Thickness: 1.25mm, Inside Diameter: 4.50mm, Temper: Hard, Length: 100 mm to 1000 mm

Nickel Silver (Cu64/Ni12/Zn24)



Foil

- CZ080300** Thickness: **0.125mm**, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

Nickel Silver (18) (Cu65/Ni18/Zn17)



Tube

- CZ057120** Outside Diameter: **1.0mm**, Wall Thickness: 0.1mm, Inside Diameter: 0.8mm, Temper: Hard, Length: 100 mm to 1000 mm

- CZ057240** Outside Diameter: **1.6mm**, Wall Thickness: 0.15mm, Inside Diameter: 1.3mm, Temper: Hard, Length: 100 mm to 1000 mm

Alloys

CZ057400 Outside Diameter: **4.0mm**, Wall Thickness: 0.25mm, Inside Diameter: 3.5mm, Temper: Hard, Length: 100 mm to 1000 mm

CZ057750 Outside Diameter: **6.35mm**, Wall Thickness: 0.5mm, Inside Diameter: 5.35mm, Temper: Hard, Length: 100 mm to 1000 mm

Copper/Silver (Cu70/Ag30)



Rod

CU197920 Diameter: **15mm**, Temper: As drawn, Length: 50 mm to 200 mm

Copper/Iron (Cu70/Fe30)



Powder

CU036010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Copper/Nickel (Cu70/Ni30)



Foil

CU130240 Thickness: **0.016mm**, Coil width 192 mm, Size: 95x95 mm to 190x190 mm

CU130700 Thickness: **1.6mm**, Size: 150x150 mm to 300x300 mm



Rod

CU137920 Diameter: **12.7mm**, Temper: As drawn, Length: 100 mm to 1000 mm



Tube

CU137150 Outside Diameter: **0.4mm**, Wall Thickness: 0.15mm, Inside Diameter: 0.1mm, Temper: Hard, Length: 100 mm to 1000 mm

CU137200 Outside Diameter: **1.0mm**, Wall Thickness: 0.1mm, Inside Diameter: 0.8mm, Temper: Hard, Length: 100 mm to 1000 mm

CU137300 Outside Diameter: **1.5mm**, Wall Thickness: 0.18mm, Inside Diameter: 1.14mm, Temper: Hard, Length: 100 mm to 1000 mm

CU137400 Outside Diameter: **3.0mm**, Wall Thickness: 0.175mm, Inside Diameter: 2.65mm, Temper: Hard, Length: 100 mm to 1000 mm

Copper/Titanium (Cu70/Ti30)



Powder

CU266010 Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

Brass (Cu70/Zn30)

Boltomet 570[®], Cartridge Brass, IMI 276[®], MS 72



Wire

CU085110 Diameter: **0.025mm**, Temper: As drawn

CU085120 Diameter: **0.05mm**, Temper: As drawn

CU085300 Diameter: **0.6mm**, Temper: As drawn



Tube

CU087300 Outside Diameter: **3.56mm**, Wall Thickness: 0.41mm, Inside Diameter: 2.74mm, Temper: As drawn, Length: 100 mm to 1000 mm



Powder

CU086011 Max. Particle size: **100micron**, Condition: Atomized



Sphere

CU086820 Diameter: **2.0mm**, Tolerance: $\pm 25.4\mu\text{m}$, Sphericity: 5.08 μm , Grade: Precision Sphere, Condition: Grade 200

CU086840 Diameter: **3.0mm**, Tolerance: $\pm 25.4\mu\text{m}$, Sphericity: 5.08 μm , Grade: Precision Sphere, Condition: Grade 200

Copper/Zirconium (Cu70/Zr30)



Powder

CU236010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Copper/Platinum (Cu75/Pt25 (Atomic %))



Lump

CY076100 Max. Lump size: 20mm

Copper/Lead (Cu80/Pb20)



Powder

CU156010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Copper/Tin (Cu80/Sn20)



Powder

CU226020 Max. Particle size: **53micron**

Copper/Silicon (Cu85/Si15)



Powder

CU176011 Max. Particle size: **150micron**

CU176010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Gilding Metal (Cu85/Zn15)

Boltomet 514[®], Brown metal, IMI 215[®], MS 85, Red Brass



Wire

CU115100 Diameter: **0.061mm**, Temper: As drawn

CU115200 Diameter: **0.711mm**, Temper: As drawn

Manganin[®] - Resistance Alloy (Cu86/Mn12/Ni 2)



Foil

CU060200 Thickness: **0.005mm**, Size: 25x25 mm to 50x50 mm

CU060210 Thickness: **0.015mm**, Temper: As rolled, Coil width 190 mm, Size: 190x300 mm

CU060220 Thickness: **0.02mm**, Temper: As rolled, Coil width 200 mm, Size: 200x300 mm

CU060230 Thickness: **0.025mm**, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

CU060240 Thickness: **0.04mm**, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 200x300 mm

CU060500 Thickness: **0.5mm**, Temper: Annealed, Size: 50x50 mm to 300x1000 mm

CU060510 Thickness: **0.635mm**, Coil width: 100mm, Temper: Annealed, Length: 0.1 m to 2 m

CU060550 Thickness: **1.0mm**, Temper: Annealed, Size: 50x50 mm to 300x1000 mm

Alloys

CU060551 Thickness: **1.0mm**, Temper: Annealed, Condition: Polished on both sides, Size: 50x50 mm to 300x1000 mm

CU060560 Thickness: **1.5mm**, Temper: Annealed, Size: 50x50 mm to 300x500 mm

CU060575 Thickness: **2.0mm**, Temper: Annealed, Size: 50x50 mm to 300x500 mm

CU060580 Thickness: **2.5mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm



Wire

CU065110 Diameter: **0.025mm**, Temper: Annealed

CU065120 Diameter: **0.05mm**, Temper: Annealed

CU065130 Diameter: **0.125mm**, Temper: Annealed

CU065138 Diameter: **0.18mm**

CU065140 Diameter: **0.25mm**, Temper: Annealed

CU065145 Diameter: **0.4mm**, Temper: Annealed

CU065150 Diameter: **0.5mm**, Temper: Annealed

CU065155 Diameter: **0.7mm**, Temper: Annealed

CU065160 Diameter: **1.0mm**, Temper: Annealed

CU065165 Diameter: **1.2mm**, Temper: Annealed



Insulated Wire

CU065805 Conductor diameter: **0.030mm**, Insulation thickness: 0.004mm, Insulation: Polyimide

CU065810 Conductor diameter: **0.05mm**, Insulation thickness: 0.004mm, Insulation: Polyester

CU065815 Conductor diameter: **0.05mm**, Insulation thickness: 0.004mm, Insulation: Polyimide

CU065820 Conductor diameter: **0.1mm**, Insulation thickness: 0.005mm, Insulation: Polyimide

CU065821 Conductor diameter: **0.125mm**, Insulation thickness: 0.01mm, Insulation: Polyimide

CU065822 Conductor diameter: **0.15mm**, Insulation thickness: 0.015mm, Insulation: Polyimide

CU065823 Conductor diameter: **0.20mm**, Insulation thickness: 0.018mm, Insulation: Polyimide

CU065825 Conductor diameter: **0.25mm**, Insulation thickness: 0.02mm, Insulation: Polyimide



Rod

CU067910 Diameter: **3.0mm**, Temper: Annealed, Length: 100 mm to 1000 mm

CU067920 Diameter: **8mm**, Temper: Annealed, Length: 100 mm to 1000 mm



Powder

CU066050 Max. Particle size: **50micron**, Condition: Atomized

CU066010 Max. Particle size: **420micron**, Min. Particle size: 180micron

Copper/Zirconium (Cu87/Zr13)



Powder

CU246010 Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

Bronze (Cu89/Sn11)



Powder

CU096010 Max. Particle size: **150micron**, Condition: Atomized

Copper/Silver (Cu90/Ag10)



Rod

CY277920 Diameter: **15mm**, Temper: As drawn, Length: 50 mm to 200 mm

Copper/Titanium (Cu90/Ti10)



Powder

CU256011 Max. Particle size: **45micron**, Condition: Atomized

CU256010 Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

Phosphor Bronze (Cu92/Sn 8)



Wire

CW165010 Diameter: **0.132mm**, Temper: Annealed

Phosphor Bronze (Cu94/Sn 6)



Foil

CU050200 Thickness: **0.005mm**, Temper: As rolled, Coil width 115 mm, Size: 25x25 mm to 115x150 mm

CU050210 Thickness: **0.02mm**, Temper: As rolled, Coil width 200 mm, Size: 100x100 mm to 200x300 mm

CU050220 Thickness: **0.025mm**, Temper: As rolled, Coil width 200 mm, Size: 25x25 mm to 200x300 mm

CU050240 Thickness: **0.05mm**, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

CU050245 Thickness: **0.076mm**, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

CU050247 Thickness: **0.08mm**, Coil width: 0.4mm, Temper: As rolled, Length: 0.5 m to 10 m

CU050250 Thickness: **0.125mm**, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

CU050255 Thickness: **0.2mm**, Coil width: 6mm, Temper: Hard, Length: 5 m to 50 m

CU050260 Thickness: **0.25mm**, Temper: Hard, Coil width 310 mm, Size: 25x25 mm to 300x300 mm

CU050280 Thickness: **0.4mm**, Coil width: 20mm, Temper: Hard, Length: 0.5 m to 10 m

CU050281 Thickness: **0.4mm**, Temper: Half hard, Coil width 200 mm, Size: 50x50 mm to 200x200 mm

CU050290 Thickness: **0.5mm**, Temper: Half hard, Coil width 212 mm, Size: 25x25 mm to 200x200 mm

CU050300 Thickness: **0.6mm**, Temper: Hard, Size: 300x407 mm



Sheet

CU053150 Thickness: **3.2mm**, Temper: Hard, Size: 150x150 mm to 300x300 mm



Wire

CU055110 Diameter: **0.01mm**, Temper: As drawn

CU055120 Diameter: **0.025mm**, Temper: Hard

CU055130 Diameter: **0.05mm**, Temper: As drawn

CU055140 Diameter: **0.125mm**, Temper: As drawn

CU055145 Diameter: **0.20mm**, Temper: Annealed

CU055150 Diameter: **0.25mm**, Temper: As drawn

CU055350 Diameter: **0.5mm**, Temper: Annealed, Condition: Straight wire

CU055160 Diameter: **0.5mm**, Temper: As drawn

Alloys

CU055170 Diameter: **1.0mm**, Temper: As drawn



Insulated Wire

CU055810 Conductor diameter: **0.025mm**, Insulation thickness: 0.0025mm, Insulation: Polyimide

CU055830 Conductor diameter: **0.125mm**, Insulation thickness: 0.01mm, Insulation: Polyimide

CU055840 Conductor diameter: **0.25mm**, Insulation thickness: 0.018mm, Insulation: Polyimide



Rod

CU057910 Diameter: **12.7mm**, Length: 100 mm to 1000 mm

CU057920 Diameter: **25.4mm**, Length: 100 mm to 1000 mm

CU057940 Diameter: **50.8mm**, Length: 100 mm to 500 mm

Copper/Silver (Cu95/Ag 5)



Rod

CY137920 Diameter: **15mm**, Temper: As drawn, Length: 50 mm to 200 mm

Copper/Gold (Cu95/Au 5)



Lump

CY286100 Max. Lump size: 10mm

Phosphor Bronze (Cu95/Sn 5)



Foil

CW050225 Thickness: **0.025mm**, Coil width: 0.2mm, Temper: As rolled, Length: 50 m

Copper/Cobalt/Beryllium (Cu97/Co 2.5/Be 0.5)



Rod

CY267910 Diameter: **6mm**, Length: 100 mm to 1000 mm

CY267940 Diameter: **25mm**, Length: 100 mm to 1000 mm

CY267945 Diameter: **28mm**, Length: 100 mm to 1000 mm

Copper/Silver (Cu98/Ag 2)



Powder

CU186010 Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

Copper/Beryllium (Cu98/Be 2)

Brush 190[®], Mallory[®], Berylco[®]



Foil

CU070200 Thickness: **0.004mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm

CU070225 Thickness: **0.005mm**, Temper: As rolled, Coil width 100 mm, Size: 25x25 mm to 100x100 mm

CU070230 Thickness: **0.0065mm**, Temper: As rolled, Coil width 90 mm, Size: 90x150 mm

CU070250 Thickness: **0.0076mm**, Temper: As rolled, Size: 25x25 mm to 89x100 mm

CU070260 Thickness: **0.01mm**, Temper: As rolled, Coil width 220 mm, Size: 220x300 mm

CU070276 Thickness: **0.02mm**, Temper: Half hard, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

CU070275 Thickness: **0.02mm**, Temper: As rolled, Coil width 200 mm, Size: 25x25 mm to 200x300 mm

CU070280 Thickness: **0.025mm**, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

CU070301 Thickness: **0.05mm**, Temper: Quarter hard, Coil width 190 mm, Size: 60x60 mm to 190x200 mm

CU070300 Thickness: **0.05mm**, Temper: Half hard, Coil width 292 mm, Size: 25x25 mm to 150x150 mm

CU070330 Thickness: **0.075mm**, Temper: Half hard, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

CU070342 Thickness: **0.1mm**, Coil width: 10mm, Temper: Half hard, Length: 0.5 m

CU070340 Thickness: **0.1mm**, Temper: Half hard, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

CU070350 Thickness: **0.125mm**, Temper: Half hard, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

CU070361 Thickness: **0.15mm**, Coil width: .3mm, Temper: Half hard, Length: 0.5 m to 10 m

CU070360 Thickness: **0.15mm**, Temper: Half hard, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

CU070380 Thickness: **0.2mm**, Temper: Annealed, Coil width 216 mm, Size: 25x25 mm to 150x150 mm

CU070381 Thickness: **0.2mm**, Temper: Half hard, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

CU070451 Thickness: **0.25mm**, Temper: Half hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

CU070450 Thickness: **0.25mm**, Temper: Annealed, Size: 25x25 mm to 150x150 mm

CU070475 Thickness: **0.38mm**, Temper: Annealed, Coil width 178 mm, Size: 25x25 mm to 178x178 mm

CU070500 Thickness: **0.45mm**, Temper: Annealed, Size: 25x25 mm to 50x50 mm

CU070501 Thickness: **0.5mm**, Temper: Half hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

CU070525 Thickness: **0.75mm**, Temper: Half hard, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

CU070550 Thickness: **1.0mm**, Temper: Annealed, Coil width 215 mm, Size: 25x25 mm to 200x200 mm

CU070600 Thickness: **3.0mm**, Temper: Annealed, Coil width 215 mm, Size: 50x50 mm to 200x200 mm

CU070601 Thickness: **3.0mm**, Temper: 1/4 Hard, Coil width 180 mm, Size: 90x90 mm to 180x180 mm

CU070650 Thickness: **6.35mm**, Temper: Hard, Size: 50x50 mm to 100x100 mm



Wire

CU075110 Diameter: **0.025mm**, Temper: Hard

CU075111 Diameter: **0.030mm**, Temper: Hard

CU075113 Diameter: **0.035mm**, Temper: Hard

CU075115 Diameter: **0.05mm**, Temper: Hard

CU075118 Diameter: **0.075mm**, Temper: Hard

CU075119 Diameter: **0.1mm**, Temper: Hard

CU075120 Diameter: **0.125mm**, Temper: Hard

CU075131 Diameter: **0.25mm**, Condition: Straight wire, Temper: Hard

CU075130 Diameter: **0.25mm**, Temper: Hard

CU075132 Diameter: **0.30mm**, Temper: Annealed

CU075320 Diameter: **0.5mm**, Condition: Straight wire, Temper: Hard

CU075140 Diameter: **0.5mm**, Temper: Hard

CU075340 Diameter: **1.0mm**, Condition: Straight wire, Temper: Hard

CU075150 Diameter: **1.0mm**, Temper: Hard

Alloys

CU075160 Diameter: 1.63mm, Temper: Hard



Insulated Wire

CU075820 Conductor diameter: 0.025mm, Insulation thickness: 0.004mm, Insulation: Polyimide, Temper: Hard

CU075830 Conductor diameter: 0.075mm, Insulation thickness: 0.008mm, Insulation: Polyimide, Temper: Hard

CU075835 Conductor diameter: 0.1mm, Insulation thickness: 0.01mm, Insulation: Polyimide, Temper: Hard



Rod

CU077903 Diameter: 1.8mm, Temper: Half hard, Condition: Centerless ground, Length: 100 mm to 1000 mm

CU077905 Diameter: 2.0mm, Temper: Half hard, Length: 100 mm to 1000 mm

CU077910 Diameter: 3.2mm, Temper: Half hard, Length: 100 mm to 1000 mm

CU077915 Diameter: 4.0mm, Temper: Hard, Length: 100 mm to 1000 mm

CU077920 Diameter: 4.8mm, Temper: Hard, Length: 100 mm to 1000 mm

CU077925 Diameter: 6.35mm, Temper: Hard, Length: 100 mm to 1000 mm

CU077930 Diameter: 9.5mm, Temper: As drawn, Length: 100 mm to 1000 mm

CU077940 Diameter: 12.7mm, Temper: Hard, Length: 100 mm to 1000 mm

CU077950 Diameter: 20mm, Temper: Hard, Length: 50 mm to 500 mm

CU077955 Diameter: 25mm, Temper: Hard, Length: 50 mm to 200 mm

CU077960 Diameter: 31.75mm, Temper: Hard, Length: 50 mm to 200 mm

CU077980 Diameter: 50.8mm, Temper: Hard, Length: 25 mm to 100 mm

Copper/Chromium/Zirconium (Cu98.9/Cr 1.0/Zr 0.1)



Rod

CY257910 Diameter: 10mm, Length: 100 mm to 1000 mm

CY257925 Diameter: 25mm, Length: 100 mm to 1000 mm

Copper/Tellurium (Cu99.5/Te 0.5)



Rod

CY247905 Diameter: 6.0mm, Length: 100 mm to 1000 mm

CY247910 Diameter: 12.7mm, Length: 100 mm to 1000 mm

CY247925 Diameter: 25mm, Length: 100 mm to 1000 mm

Tinned Copper (CuSn)



Foil

CU200225 Thickness: 0.025mm, Coil width: 0.72mm, Temper: Annealed, Condition: Sn60/Pb40 coated, Length: 1 m

CU200250 Thickness: 0.05mm, Coil width: 15mm, Temper: Annealed, Condition: Sn60/Pb40 coated, Length: 0.5 m to 20 m

CU200300 Thickness: 0.20mm, Coil width: 5mm, Temper: Annealed, Condition: Sn62/Pb36/Ag2 coated, Length: 0.5 m to 20 m



Wire

CU205140 Diameter: 0.25mm, Temper: Annealed, Condition: Pure Sn coated

Iron/Nickel (Fe50/Ni50)



Wire

FE075160 Diameter: 1.0mm, Temper: Annealed



Powder

FE076020 Max. Particle size: 45micron

FE076030 Max. Particle size: 63micron

Iron/Nickel (Fe52/Ni48)

Audiolloy®, Nilo® alloy 48



Foil

FF010300 Thickness: 0.75mm, Temper: Annealed, Size: 25x25 mm to 300x300 mm



Sheet

FF013100 Thickness: 7.0mm, Temper: Annealed, Size: 108x108 mm



Wire

FF015150 Diameter: 0.5mm, Temper: Annealed

Glass Sealing Alloy (Fe54/Ni29/Co17)

Dilver P®, Nicoseal®, Nicosel®, Nilo® K, Rodar®, Telcoseal 1®, Kovar® (CRS Holdings Inc a subsidiary of Carpenter Technology Corporation)



Foil

FE040205 Thickness: 0.015mm, Temper: Annealed, Coil width 195 mm, Size: 25x25 mm to 195x200 mm

FE040210 Thickness: 0.025mm, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

FE040240 Thickness: 0.05mm, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 150x150 mm

FE040241 Thickness: 0.05mm, Temper: Annealed, Condition: Flattened, Size: 100x100 mm to 200x520 mm

FE040261 Thickness: 0.075mm, Temper: Annealed, Condition: Flattened, Size: 90x100 mm to 195x500 mm

FE040200 Thickness: 0.125mm, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE040280 Thickness: 0.20mm, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

FE040300 Thickness: 0.25mm, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 150x150 mm

FE040305 Thickness: 0.30mm, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 150x150 mm

FE040310 Thickness: 0.5mm, Temper: Annealed, Size: 25x25 mm to 300x300 mm

FE040330 Thickness: 0.75mm, Temper: Annealed, Size: 300x300 mm

FE040350 Thickness: 1.0mm, Temper: Annealed, Size: 50x50 mm to 150x150 mm

FE040380 Thickness: 1.5mm, Temper: Annealed, Size: 50x50 mm to 150x150 mm



Sheet

FE043200 Thickness: 3.2mm, Temper: Annealed, Size: 100x100 mm to 300x300 mm

Alloys

FE043250 Thickness: **5.0mm**, Temper: Annealed, Size: 100x100 mm

FE043300 Thickness: **6.35mm**, Temper: Annealed, Size: 50x50 mm to 102x112 mm

FE043350 Thickness: **12.7mm**, Temper: Annealed, Size: 50x50 mm to 100x100 mm

FE043370 Thickness: **25.4mm**, Temper: Annealed, Size: 62x255 mm to 113x161 mm



Wire

FE045050 Diameter: **0.05mm**, Temper: As drawn

FE045120 Diameter: **0.12mm**, Temper: As drawn

FE045251 Diameter: **0.25mm**, Temper: As drawn, Condition: Straight wire

FE045250 Diameter: **0.25mm**, Temper: As drawn

FE045261 Diameter: **0.30mm**, Condition: Straight wire, Temper: As drawn

FE045260 Diameter: **0.30mm**, Temper: As drawn

FE045351 Diameter: **0.45mm**, Condition: Straight wire, Temper: Annealed

FE045350 Diameter: **0.5mm**, Temper: Annealed

FE045375 Diameter: **0.75mm**, Temper: Annealed

FE045390 Diameter: **0.9mm**, Condition: Straight wire, Temper: Annealed

FE045400 Diameter: **1.0mm**, Temper: As drawn



Insulated Wire

FE045810 Conductor diameter: **0.03mm**, Insulation thickness: 0.0025mm, Insulation: Polyimide



Rod

FE047900 Diameter: **1.25mm**, Length: 100 mm to 1000 mm

FE047901 Diameter: **1.6mm**, Length: 100 mm to 1000 mm

FE047902 Diameter: **2.0mm**, Length: 100 mm to 1000 mm

FE047905 Diameter: **3.2mm**, Length: 100 mm to 1000 mm

FE047910 Diameter: **6.35mm**, Length: 100 mm to 1000 mm

FE047918 Diameter: **9.5mm**, Length: 50 mm to 500 mm

FE047925 Diameter: **12.7mm**, Length: 50 mm to 500 mm

FE047935 Diameter: **19mm**, Length: 50 mm to 500 mm

FE047950 Diameter: **25mm**, Length: 50 mm to 500 mm

FE047955 Diameter: **38.1mm**, Length: 50 mm to 200 mm

FE047960 Diameter: **50mm**, Length: 50 mm to 200 mm

FE047965 Diameter: **63.5mm**, Length: 50 mm to 200 mm

FE047970 Diameter: **76mm**, Length: 100 mm to 200 mm

FE047990 Diameter: **100mm**, Length: 50 mm to 200 mm



Tube

FE047030 Outside Diameter: **0.3mm**, Wall Thickness: 0.085mm, Inside Diameter: 0.13mm, Temper: As drawn, Length: 100 mm to 1000 mm

FE047100 Outside Diameter: **0.6mm**, Wall Thickness: 0.1mm, Inside Diameter: 0.4mm, Temper: As drawn, Length: 100 mm to 1000 mm

FE047200 Outside Diameter: **1.0mm**, Wall Thickness: 0.4mm, Inside Diameter: 0.2mm, Temper: As drawn, Length: 100 mm to 1000 mm

FE047250 Outside Diameter: **1.5mm**, Wall Thickness: 0.25mm, Inside Diameter: 1.0mm, Temper: As drawn, Length: 100 mm to 1000 mm

FE047301 Outside Diameter: **2.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 1.0mm, Temper: As drawn, Length: 100 mm to 1000 mm

FE047410 Outside Diameter: **3.175mm**, Wall Thickness: 0.254mm, Inside Diameter: 2.667mm, Temper: As drawn, Length: 100 mm to 1000 mm

FE047470 Outside Diameter: **4.24mm**, Wall Thickness: 0.38mm, Inside Diameter: 3.48mm, Temper: As drawn, Length: 100 mm to 1000 mm

FE047600 Outside Diameter: **6.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 5mm, Temper: As drawn, Length: 100 mm to 1000 mm

FE047650 Outside Diameter: **6.35mm**, Wall Thickness: 0.25mm, Inside Diameter: 5.85mm, Temper: As drawn, Length: 100 mm to 1000 mm

FE047750 Outside Diameter: **9.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 8mm, Temper: As drawn, Length: 100 mm to 1000 mm

FE047760 Outside Diameter: **14.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 13mm, Temper: As drawn, Length: 100 mm to 1000 mm



Powder

FE046011 Max. Particle size: **45micron**, Condition: Atomized

FE046010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Iron/Nickel (Fe54/Ni46)



Rod

FK267920 Diameter: **8.2mm**, Temper: As drawn, Length: 100 mm to 1000 mm

Iron/Nickel (Fe55/Ni45)



Foil

FE180400 Thickness: **0.1mm**, Coil width 150 mm, Size: 25x25 mm to 150x150 mm



Rod

FE187910 Diameter: **6.0mm**, Length: 100 mm to 1000 mm

FE187925 Diameter: **13.5mm**, Length: 100 mm to 1000 mm

FE187930 Diameter: **16mm**, Temper: Unannealed, Length: 50 mm to 200 mm

Iron/Nickel (Fe58/Ni42)



Foil

FE130250 Thickness: **0.125mm**, Size: 100x100 mm to 200x200 mm



Sheet

FE133150 Thickness: **3.2mm**, Temper: Annealed, Size: 100x100 mm



Powder

FE136011 Max. Particle size: **45micron**, Condition: Atomized

FE136010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Iron/Titanium (Fe60/Ti40)



Powder

FE156010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Alloys

Iron/Nickel (Fe61/Ni39)



Foil

FK120275 Thickness: **0.25mm**, Coil width 200 mm, Size: 50x50 mm to 200x200 mm

Iron/Nickel/Cobalt (Fe63/Ni32/Co 5)



Rod

FK177910 Diameter: **10mm**, Temper: As drawn, Length: 100 mm to 500 mm

Iron/Molybdenum (Fe64/Mo36)



Lump

FK136100 Max. Lump size: **50mm**, Condition: Nominal 100g ingots

Invar® - Controlled Expansion Alloy (Fe64/Ni36)

Invar 36®, Nilo® alloy 36, Nilvar, NS 36, Permalloy D®, Radio metal 36®, Vacodil 36®



Foil

FE020210 Thickness: **0.008mm**, Size: 50x50 mm to 100x100 mm

FE020215 Thickness: **0.0125mm**, Coil width 200 mm, Size: 25x25 mm to 150x150 mm

FE020220 Thickness: **0.02mm**, Temper: As rolled, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

FE020225 Thickness: **0.025mm**, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

FE020300 Thickness: **0.03mm**, Temper: Hard, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

FE020240 Thickness: **0.05mm**, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

FE020245 Thickness: **0.08mm**, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

FE020260 Thickness: **0.1mm**, Temper: Annealed, Size: 25x25 mm to 100x100 mm

FE020265 Thickness: **0.125mm**, Temper: Half hard, Coil width 152.4 mm, Size: 25x25 mm to 150x150 mm

FE020268 Thickness: **0.18mm**, Temper: Hard, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

FE020277 Thickness: **0.25mm**, Coil width: 50mm, Temper: Annealed, Length: 0.5 m to 10 m

FE020276 Thickness: **0.25mm**, Temper: Annealed, Condition: Flattened, Size: 40x100 mm to 150x300 mm

FE020275 Thickness: **0.25mm**, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

FE020350 Thickness: **0.5mm**, Temper: Annealed, Size: 25x25 mm to 200x900 mm

FE020351 Thickness: **0.5mm**, Temper: Annealed, Size: 300x300 mm to 600x900 mm

FE020375 Thickness: **0.75mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm

FE020400 Thickness: **1.0mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm

FE020450 Thickness: **1.5mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm



Sheet

FE023120 Thickness: **2.5mm**, Temper: Annealed, Size: 100x100 mm to 150x150 mm

FE023121 Thickness: **2.5mm**, Temper: Annealed, Diameter: 25 mm to 40 mm

FE023150 Thickness: **3.2mm**, Temper: Annealed, Size: 100x100 mm

FE023200 Thickness: **6.35mm**, Temper: Annealed, Size: 100x100 mm

FE023230 Thickness: **9.5mm**, Temper: Annealed, Size: 30x82 mm

FE023000 Thickness: **12.7mm**, Temper: Annealed, Size: 50x50 mm to 100x100 mm

FE023250 Thickness: **16mm**, Temper: Annealed, Size: 103x103 mm

FE023280 Thickness: **25mm**, Temper: Annealed, Size: 52x52 mm to 102x102 mm



Wire

FE025010 Diameter: **0.01mm**, Temper: Annealed

FE025100 Diameter: **0.05mm**, Temper: Annealed

FE025120 Diameter: **0.12mm**, Temper: Annealed

FE025250 Diameter: **0.25mm**, Temper: Annealed

FE025350 Diameter: **0.5mm**, Temper: Annealed

FE025360 Diameter: **0.6mm**, Temper: Annealed

FE025401 Diameter: **1mm**, Temper: Annealed, Condition: Straight wire

FE025402 Diameter: **1mm**, Temper: Hard

FE025400 Diameter: **1mm**, Temper: Annealed

FE025450 Diameter: **1.5mm**, Temper: Annealed



Rod

FE027902 Diameter: **1.6mm**, Length: 100 mm to 1000 mm

FE027903 Diameter: **2.0mm**, Length: 100 mm to 1000 mm

FE027904 Diameter: **3.0mm**, Length: 349 mm

FE027905 Diameter: **3.2mm**, Length: 100 mm to 1000 mm

FE027909 Diameter: **6.0mm**, Length: 100 mm to 1000 mm

FE027910 Diameter: **6.35mm**, Length: 100 mm to 800 mm

FE027920 Diameter: **10.0mm**, Length: 100 mm to 1000 mm

FE027925 Diameter: **12.7mm**, Length: 100 mm to 1000 mm

FE027930 Diameter: **16mm**, Length: 100 mm to 500 mm

FE027935 Diameter: **19mm**, Length: 100 mm to 500 mm

FE027940 Diameter: **21mm**, Length: 100 mm to 500 mm

FE027950 Diameter: **25mm**, Length: 100 mm to 500 mm

FE027953 Diameter: **30.0mm**, Length: 310 mm

FE027955 Diameter: **38.1mm**, Length: 68 mm to 100 mm

FE027956 Diameter: **40mm**, Length: 50 mm to 200 mm

FE027960 Diameter: **50mm**, Length: 100 mm to 1000 mm

FE027970 Diameter: **63mm**, Length: 50 mm to 1000 mm

FE027980 Diameter: **75mm**, Length: 50 mm to 200 mm

FE027990 Diameter: **100mm**, Length: 50 mm to 200 mm

FE027995 Diameter: **110mm**, Length: 128 mm



Tube

FE027200 Outside Diameter: **2.2mm**, Wall Thickness: 0.16mm, Inside Diameter: 1.88mm, Length: 100 mm to 1000 mm

FE027500 Outside Diameter: **5.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 3mm, Temper: Annealed, Length: 200 mm

Alloys

FE027800 Outside Diameter: **8.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 7mm, Length: 1198 mm



Powder

FE026011 Max. Particle size: **45micron**, Condition: Atomized

FE026010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Aluchrom O® - Resistance Alloy (Fe70/Cr25/Al 5)



Wire

FE065100 Diameter: **0.05mm**, Temper: Annealed

FE065130 Diameter: **0.125mm**, Temper: Annealed

FE065140 Diameter: **0.25mm**, Temper: Annealed

FE065150 Diameter: **0.5mm**, Temper: Annealed

FE065160 Diameter: **1.0mm**, Temper: Annealed

Fecralloy® - Iron/Chromium (Fe72.8/Cr22/Al 5/Y 0.1/Zr 0.1)



Foil

FE080205 Thickness: **0.01mm**, Temper: As rolled, Coil width 167 mm, Size: 40x40 mm to 160x160 mm

FE080210 Thickness: **0.020mm**, Temper: As rolled, Coil width 167 mm, Size: 80x80 mm to 160x160 mm

FE080240 Thickness: **0.05mm**, Coil width: 54mm, Temper: As rolled, Length: 1 m to 20 m

FE080252 Thickness: **0.05mm**, Temper: Annealed, Coil width 180 mm, Size: 90x90 mm to 180x180 mm

FE080251 Thickness: **0.05mm**, Temper: As rolled, Coil width 250 mm, Size: 50x50 mm to 250x250 mm

FE080262 Thickness: **0.1mm**, Coil width: 20mm, Temper: As rolled, Length: 0.5 m to 10 m

FE080260 Thickness: **0.1mm**, Coil width: 68mm, Temper: Annealed, Length: 0.5 m to 10 m

FE080261 Thickness: **0.1mm**, Temper: Annealed, Coil width 175 mm, Size: 85x85 mm to 175x175 mm

FE080270 Thickness: **0.2mm**, Temper: Annealed, Coil width 145 mm, Size: 70x70 mm to 140x140 mm

FE080280 Thickness: **0.3mm**, Temper: Annealed, Coil width 195 mm, Size: 50x100 mm to 50x200 mm

FE080500 Thickness: **0.5mm**, Temper: As rolled, Size: 100x100 mm to 200x1000 mm

FE080600 Thickness: **1.0mm**, Temper: As rolled, Size: 50x50 mm to 200x500 mm

FE080750 Thickness: **2.0mm**, Temper: As rolled, Size: 50x50 mm to 200x500 mm



Sheet

FE083150 Thickness: **3mm**, Temper: As rolled, Size: 100x100 mm to 100x200 mm

FE083200 Thickness: **5mm**, Temper: As rolled, Size: 100x100 mm to 200x200 mm

FE083201 Thickness: **5mm**, Temper: As rolled, Size: 207x500 mm to 207x1000 mm

FE083280 Thickness: **20mm**, Temper: As rolled, Size: 100x100 mm



Foam

FE083810 Thickness: **6.35mm**, Bulk density: 0.36g.cm⁻³, Pores/cm: 4, Size: 150x150 mm

FE083815 Thickness: **6.35mm**, Bulk density: 0.72g.cm⁻³, Pores/cm: 4, Size: 150x150 mm

FE083820 Thickness: **6.35mm**, Bulk density: 0.36g.cm⁻³, Pores/cm: 8, Size: 150x150 mm

FE083825 Thickness: **6.35mm**, Bulk density: 0.72g.cm⁻³, Pores/cm: 8, Size: 150x150 mm

FE083830 Thickness: **6.35mm**, Bulk density: 0.36g.cm⁻³, Pores/cm: 16, Size: 150x150 mm

FE083835 Thickness: **6.35mm**, Bulk density: 0.72g.cm⁻³, Pores/cm: 16, Size: 150x150 mm



Wire

FE085100 Diameter: **0.125mm**, Temper: As drawn

FE085120 Diameter: **0.25mm**, Temper: Annealed

FE085130 Diameter: **0.5mm**, Temper: Annealed

FE085140 Diameter: **0.914mm**, Temper: Annealed

FE085150 Diameter: **1.6mm**, Temper: Annealed



Rod

FE087902 Diameter: **1.8mm**, Length: 100 mm to 1000 mm

FE087905 Diameter: **3.2mm**, Length: 100 mm to 1000 mm

FE087920 Diameter: **12mm**, Length: 100 mm to 1000 mm

FE087925 Diameter: **16mm**, Length: 100 mm to 1000 mm

FE087930 Diameter: **20mm**, Length: 100 mm to 500 mm

FE087940 Diameter: **25.4mm**, Condition: Hot rolled (black), Condition: Diameter is nominal, Length: 100 mm to 500 mm

FE087943 Diameter: **32mm**, Condition: Hot rolled (black), Length: 85 mm to 95 mm

FE087946 Diameter: **36mm**, Condition: Ground, Length: 50 mm to 200 mm

FE087945 Diameter: **38mm**, Length: 50 mm to 200 mm

FE087950 Diameter: **50mm**, Condition: Ground, Length: 50 mm to 100 mm

FE087951 Diameter: **50.8mm**, Condition: Hot rolled (black), Length: 50 mm to 100 mm

FE087975 Diameter: **67mm**, Condition: Hot rolled (black), Length: 50 mm to 100 mm

FE087980 Diameter: **75mm**, Condition: Hot rolled (black), Length: 50 mm to 100 mm



Tube

FE087250 Outside Diameter: **6.0mm**, Wall Thickness: 0.4mm, Inside Diameter: 5.2mm, Length: 100 mm to 1000 mm

FE087450 Outside Diameter: **12.7mm**, Wall Thickness: 0.8mm, Inside Diameter: 11.1mm, Length: 50 mm to 500 mm

FE087500 Outside Diameter: **15mm**, Wall Thickness: 1.5mm, Inside Diameter: 12mm, Length: 50 mm to 500 mm



Lump

FE086100 Max. Lump size: **50mm**, Condition: Pellets

Chromaloy O® - Resistance Alloy (Fe75/Cr20/Al 5)



Wire

FA185125 Diameter: **0.25mm**, Temper: Annealed

FA185150 Diameter: **0.5mm**, Temper: Annealed

Alloys

Iron/Chromium/Aluminum (Fe81/Cr16/Al 3)



Powder

FK186010 Max. Particle size: **45micron**, Condition: Atomized

Iron/Chromium/Molybdenum (Fe81/Cr16/Mo 3)



Powder

FK256010 Max. Particle size: **45micron**, Condition: Atomized

FK256011 Max. Particle size: **150micron**, Min. Particle size: 30micron, Condition: Atomized

Iron/Silicon (Fe83/Si17)



Powder

FE176011 Max. Particle size: **45micron**, Condition: Atomized

FE176020 Max. Particle size: **150micron**, Condition: Atomized

Iron/Chromium/Molybdenum (Fe90/Cr 9/Mo 1)



Foil

FE010200 Thickness: **0.003mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm

FE010210 Thickness: **0.004mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm

FE010220 Thickness: **0.005mm**, Temper: As rolled, Size: 25x25 mm to 33x50 mm

FE010230 Thickness: **0.006mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm

FE010240 Thickness: **0.007mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm

FE010250 Thickness: **0.008mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm

Iron/Silicon (Fe91/Si 9)



Powder

FE166012 Mean Particle size: **10micron**, Condition: Gas atomized, Condition: Spherical

FE166011 Max. Particle size: **150micron**, Condition: Gas atomized, Condition: Spherical

Silver Steel (Fe98/C 1.1/Cr 0.4/Mn 0.3/Si 0.2)



Rod

FA217910 Diameter: **2.0mm**, Length: 165 mm to 330 mm

Stainless Steel - 15-7PH (Fe/Cr15/Ni 7/Mo 2.25)



Foil

FE290300 Thickness: **0.05mm**, Temper: Annealed, Condition: Precipitation hardenable, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE290320 Thickness: **0.125mm**, Temper: Annealed, Condition: Precipitation hardenable, Coil width 275 mm, Size: 25x25 mm to 275x275 mm

FE290350 Thickness: **0.25mm**, Temper: Annealed, Condition: Precipitation hardenable, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

Stainless Steel - 17-4PH (Fe/Cr17/Ni 4)



Rod

FL017910 Diameter: **8.0mm**, Length: 100 mm to 1000 mm

FL017920 Diameter: **12.7mm**, Length: 100 mm to 1000 mm

FL017925 Diameter: **16mm**, Length: 100 mm to 1000 mm

Stainless Steel - 17-7PH (Fe/Cr17/Ni 7)



Foil

FE280290 Thickness: **0.05mm**, Temper: As rolled - Condition C, Condition: Precipitation hardenable, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

FE280300 Thickness: **0.075mm**, Temper: Annealed - Condition A, Condition: Precipitation hardenable, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE280320 Thickness: **0.125mm**, Temper: Annealed - Condition A, Condition: Precipitation hardenable, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

FE280321 Thickness: **0.15mm**, Coil width: 25mm, Temper: As rolled - Condition C, Condition: Precipitation hardenable, Length: 0.5 m to 20 m

FE280350 Thickness: **0.3mm**, Temper: Annealed - Condition A, Condition: Precipitation hardenable, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE280360 Thickness: **0.635mm**, Coil width: 14mm, Temper: Annealed - Condition A, Condition: Precipitation hardenable, Length: 0.5 m to 10 m



Wire

FE285150 Diameter: **0.5mm**

Stainless Steel - AISI 301 (Fe/Cr17/Ni 7/C 0.1max)



Foil

FE270300 Thickness: **0.5mm**, Temper: Hard, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

FE270310 Thickness: **1.0mm**, Temper: Hard, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

Stainless Steel - AISI 302 (Fe/Cr18/Ni 8)



Foil

FE200201 Thickness: **0.0125mm**, Temper: Hard, Size: 25x25 mm

FE200230 Thickness: **0.05mm**, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE200270 Thickness: **0.1mm**, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE200280 Thickness: **0.125mm**, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE200290 Thickness: **0.15mm**, Temper: Hard, Coil width 296 mm, Size: 25x25 mm to 300x300 mm

Alloys

FE200297 Thickness: **0.2mm**, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm



Wire

FE205100 Diameter: **0.01mm**, Temper: As drawn

FE205110 Diameter: **0.025mm**, Temper: Hard

FE205111 Diameter: **0.025mm**, Temper: Annealed

FE205116 Diameter: **0.05mm**, Temper: Hard

FE205115 Diameter: **0.05mm**, Temper: Annealed

FE205320 Diameter: **0.1mm**, Condition: Straight wire, Temper: Hard

FE205118 Diameter: **0.1mm**, Temper: Hard

FE205119 Diameter: **0.1mm**, Temper: Annealed

FE205120 Diameter: **0.125mm**, Temper: Hard

FE205130 Diameter: **0.25mm**, Temper: Hard

FE205140 Diameter: **0.5mm**, Temper: Hard

FE205350 Diameter: **0.6mm**, Condition: Straight wire, Temper: Hard

FE205150 Diameter: **1.0mm**, Temper: Hard



Insulated Wire

FE205811 Conductor diameter: **0.025mm**, Insulation thickness: **0.002mm**, Insulation: 2 micron Polyesterimide

FE205850 Conductor diameter: **0.1mm**, Insulation thickness: **0.01mm**, Insulation: Epoxy

Stainless Steel - AISI 303 (Fe/Cr18/Ni 9/Mn/Si)



Rod

FA117910 Diameter: **12mm**, Length: 100 mm to 1000 mm

Stainless Steel - AISI 304 (Fe/Cr18/Ni10)



Foil

FE220200 Thickness: **0.005mm**, Temper: As rolled, Coil width 100 mm, Size: 25x25 mm to 100x100 mm

FE220130 Thickness: **0.006mm**, Size: 25x25 mm to 50x50 mm

FE220207 Thickness: **0.007mm**, Temper: As rolled, Coil width 100 mm, Size: 25x25 mm to 100x100 mm

FE220150 Thickness: **0.008mm**, Size: 50x50 mm to 100x100 mm

FE220209 Thickness: **0.01mm**, Temper: As rolled, Coil width 116 mm, Size: 100x100 mm

FE220170 Thickness: **0.01mm**, Size: 100x100 mm

FE220210 Thickness: **0.0125mm**, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE220211 Thickness: **0.015mm**, Temper: As rolled, Coil width 300 mm, Size: 300x300 mm

FE220215 Thickness: **0.02mm**, Temper: As rolled, Coil width 200 mm, Size: 200x300 mm

FE220221 Thickness: **0.025mm**, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE220250 Thickness: **0.05mm**, Temper: Hard, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

FE220260 Thickness: **0.075mm**, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE220271 Thickness: **0.1mm**, Temper: Hard, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

FE220270 Thickness: **0.1mm**, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

FE220280 Thickness: **0.125mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE220290 Thickness: **0.15mm**, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE220291 Thickness: **0.15mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE220320 Thickness: **0.2mm**, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

FE220321 Thickness: **0.25mm**, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE220322 Thickness: **0.25mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE220326 Thickness: **0.40mm**, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE220324 Thickness: **0.5mm**, Surface treatment: Titanium Nitride coating 2-3 microns, Size: 25x25 mm

FE220323 Thickness: **0.5mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE220330 Thickness: **0.7mm**, Temper: Annealed, Size: 50x50 mm to 500x500 mm

FE220341 Thickness: **0.914mm**, Surface treatment: Titanium Nitride coating 2-3 microns, Size: 25x25 mm to 100x100 mm

FE220340 Thickness: **0.914mm**, Temper: Annealed, Size: 50x50 mm to 500x500 mm

FE220360 Thickness: **1.0mm**, Temper: Annealed, Size: 25x25 mm to 50x50 mm

FE220375 Thickness: **1.5mm**, Size: 100x100 mm to 300x300 mm

FE220380 Thickness: **2.0mm**, Temper: Annealed, Size: 100x100 mm to 300x300 mm

FE220390 Thickness: **3.0mm**, Temper: Annealed, Size: 100x100 mm to 500x500 mm



Mesh

FE228710 Nominal Aperture: **0.38mm**, Thickness: **0.75mm**, Wire diameter: **0.25mm**, Wires/inch: 40x40, Open area: 37%, Type: Plain weave mesh, Size: 100x100 mm to 900x900 mm

FE228720 Nominal Aperture: **0.54mm**, Thickness: **0.6mm**, Wire diameter: **0.30mm**, Wires/inch: 30x30, Open area: 37%, Type: Plain weave mesh, Size: 100x100 mm to 900x900 mm



Wire

FE225110 Diameter: **0.05mm**, Temper: Annealed

FE225121 Diameter: **0.075mm**, Temper: Hard

FE225120 Diameter: **0.075mm**, Temper: Annealed

FE225310 Diameter: **0.125mm**, Condition: Straight wire

FE225130 Diameter: **0.25mm**, Temper: Annealed

FE225330 Diameter: **0.5mm**, Condition: Straight wire, Temper: As drawn

FE225140 Diameter: **0.5mm**, Temper: Annealed

FE225141 Diameter: **0.6mm**, Temper: Annealed

FE225340 Diameter: **1.0mm**, Condition: Straight wire, Temper: As drawn

FE225150 Diameter: **1.0mm**, Temper: Hard



Rod

FE227902 Diameter: **2.0mm**, Temper: As drawn, Length: 500 mm to 1000 mm

Alloys

- FE227903** Diameter: **3.0mm**, Temper: As drawn, Length: 500 mm to 1000 mm
- FE227904** Diameter: **4.0mm**, Temper: As drawn, Length: 500 mm to 1000 mm
- FE227908** Diameter: **5.0mm**, Temper: As drawn, Length: 500 mm to 1000 mm
- FE227910** Diameter: **6.35mm**, Temper: As drawn, Length: 500 mm to 1000 mm
- FE227915** Diameter: **10.0mm**, Temper: As drawn, Length: 100 mm to 1000 mm
- FE227920** Diameter: **12.7mm**, Temper: As drawn, Length: 100 mm to 1000 mm
- FE227925** Diameter: **19mm**, Temper: As drawn, Length: 100 mm to 1000 mm
- FE227930** Diameter: **25mm**, Temper: As drawn, Length: 100 mm to 1000 mm



Tube

- FE227105** Outside Diameter: **0.2mm**, Wall Thickness: 0.05mm, Inside Diameter: 0.1mm, Temper: Hard, Length: 100 mm to 1000 mm
- FE227108** Outside Diameter: **0.21mm**, Wall Thickness: 0.065mm, Inside Diameter: 0.08mm, Temper: Hard, Length: 20 mm
- FE227100** Outside Diameter: **0.25mm**, Wall Thickness: 0.05mm, Inside Diameter: 0.15mm, Temper: Hard, Length: 100 mm to 1000 mm
- FE227150** Outside Diameter: **0.5mm**, Wall Thickness: 0.125mm, Inside Diameter: 0.25mm, Temper: Hard, Length: 100 mm to 1000 mm
- FE227145** Outside Diameter: **0.5mm**, Wall Thickness: 0.11mm, Inside Diameter: 0.28mm, Temper: Hard, Length: 100 mm to 1000 mm
- FE227140** Outside Diameter: **0.5mm**, Wall Thickness: 0.08mm, Inside Diameter: 0.34mm, Temper: As drawn, Length: 100 mm to 1000 mm
- FE227130** Outside Diameter: **0.5mm**, Wall Thickness: 0.06mm, Inside Diameter: 0.38mm, Temper: As drawn, Length: 100 mm to 1000 mm
- FE227200** Outside Diameter: **0.8mm**, Wall Thickness: 0.15mm, Inside Diameter: 0.5mm, Temper: Hard, Length: 100 mm to 1000 mm
- FE227180** Outside Diameter: **0.8mm**, Wall Thickness: 0.15mm, Inside Diameter: 0.5mm, Temper: Annealed, Length: 100 mm to 1000 mm
- FE227185** Outside Diameter: **0.85mm**, Wall Thickness: 0.393mm, Inside Diameter: 0.065mm, Temper: Hard, Length: 230 mm
- FE227201** Outside Diameter: **0.9mm**, Wall Thickness: 0.15mm, Inside Diameter: 0.6mm, Temper: Hard, Length: 35 mm
- FE227211** Outside Diameter: **0.95mm**, Wall Thickness: 0.19mm, Inside Diameter: 0.57mm, Temper: Hard, Length: 100 mm to 1000 mm
- FE227250** Outside Diameter: **1.1mm**, Wall Thickness: 0.2mm, Inside Diameter: 0.7mm, Temper: Hard, Length: 100 mm to 1000 mm
- FE227251** Outside Diameter: **1.1mm**, Wall Thickness: 0.2mm, Inside Diameter: 0.7mm, Temper: Hard, Length: 5 mm
- FE227300** Outside Diameter: **1.47mm**, Wall Thickness: 0.185mm, Inside Diameter: 1.1mm, Temper: Hard, Length: 100 mm to 1000 mm
- FE227320** Outside Diameter: **1.59mm**, Wall Thickness: 0.5mm, Inside Diameter: 0.59mm, Temper: Annealed, Length: 100 mm to 500 mm

- FE227350** Outside Diameter: **2.05mm**, Wall Thickness: 0.25mm, Inside Diameter: 1.55mm, Temper: Hard, Length: 100 mm to 1000 mm
- FE227400** Outside Diameter: **2.34mm**, Wall Thickness: 0.32mm, Inside Diameter: 1.7mm, Temper: Hard, Length: 100 mm to 1000 mm
- FE227450** Outside Diameter: **2.95mm**, Wall Thickness: 0.325mm, Inside Diameter: 2.3mm, Temper: Hard, Length: 100 mm to 1000 mm
- FE227539** Outside Diameter: **3.94mm**, Wall Thickness: 0.26mm, Inside Diameter: 3.42mm, Temper: Hard, Length: 165.6 mm
- FE227600** Outside Diameter: **5.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 4mm, Temper: Annealed, Length: 100 mm to 1000 mm
- FE227700** Outside Diameter: **8.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 7mm, Temper: Annealed, Length: 100 mm to 1000 mm
- FE227710** Outside Diameter: **9.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 8mm, Temper: Hard, Length: 100 mm to 1000 mm
- FE227800** Outside Diameter: **10.0mm**, Wall Thickness: 2.0mm, Inside Diameter: 6mm, Temper: Annealed, Length: 100 mm to 1000 mm
- FE227850** Outside Diameter: **15.0mm**, Wall Thickness: 2.0mm, Inside Diameter: 11mm, Temper: Annealed, Length: 100 mm to 1000 mm



Powder

- FE226010** Max. Particle size: **45micron**



Sphere

- FE226805** Diameter: **0.5mm**, Tolerance: $\pm 12.7\mu\text{m}$, Sphericity: $2.50\mu\text{m}$, Grade: Precision Sphere, Condition: Grade 100

Stainless Steel - AISI 304L (Fe/Cr18/Ni10)



Foil

- FA140231** Thickness: **0.15mm**, Coil width: 12mm, Temper: Annealed, Length: 0.5 m to 10 m
- FA140230** Thickness: **0.15mm**, Temper: Annealed, Coil width 305 mm, Size: 50x50 mm to 300x300 mm
- FA140250** Thickness: **0.2mm**, Temper: Annealed, Coil width 305 mm, Size: 50x50 mm to 300x300 mm
- FA140275** Thickness: **0.25mm**, Coil width: 46mm, Temper: Annealed, Length: 0.5 m to 2 m
- FA140300** Thickness: **0.3mm**, Temper: Annealed, Coil width 300 mm, Size: 50x50 mm to 300x300 mm
- FA140350** Thickness: **0.5mm**, Temper: Annealed, Coil width 300 mm, Size: 50x50 mm to 300x300 mm
- FA140351** Thickness: **0.5mm**, Temper: Annealed, Condition: Flattened, Size: 50x50 mm to 300x300 mm
- FA140450** Thickness: **0.75mm**, Temper: Annealed, Coil width 100 mm, Size: 50x50 mm to 100x100 mm
- FA140501** Thickness: **0.9mm**, Temper: Annealed, Condition: Mirror polished on one side, Size: 100x100 mm to 200x200 mm
- FA140500** Thickness: **1.0mm**, Temper: Annealed, Size: 100x100 mm to 500x500 mm
- FA140520** Thickness: **2mm**, Temper: Annealed, Condition: Mirror polished on one side, Size: 100x100 mm to 200x200 mm

Alloys

FA140521 Thickness: **2mm**, Temper: Annealed, Condition: Mirror polished on one side, Diameter: 25 mm to 40 mm

FA140550 Thickness: **3.0mm**, Size: 25x25 mm to 100x100 mm

FA140551 Thickness: **3.0 mm**, Condition: Scotch-Brite™ polish finish both sides, Size: 50x50 mm to 150x150 mm

FA140580 Thickness: **6.0mm**, Size: 500x500 mm

FA140590 Thickness: **12.0mm**, Temper: Annealed, Size: 300x300 mm



Wire

FA145300 Diameter: **0.3mm**, Condition: Straight wire, Temper: Annealed

FA145116 Diameter: **0.5mm**, Temper: Hard

FA145120 Diameter: **0.6mm**, Temper: Annealed



Rod

FA147905 Diameter: **2mm**, Length: 100 mm to 1000 mm

FA147907 Diameter: **2.5mm**, Length: 100 mm to 1000 mm

FA147920 Diameter: **8.0mm**, Length: 100 mm to 1000 mm

FA147945 Diameter: **25mm**, Temper: Annealed, Length: 100 mm to 1000 mm



Tube

FA147500 Outside Diameter: **7.0mm**, Wall Thickness: 1mm, Inside Diameter: 5.0mm, Temper: Annealed, Length: 100 mm to 1000 mm

Stainless Steel - AISI 310 (Fe/Cr25/Ni20)



Foil

FE250200 Thickness: **0.025mm**, Temper: Annealed, Size: 25x25 mm to 100x100 mm

FE250215 Thickness: **0.25mm**, Temper: Annealed, Size: 50x50 mm

FE250220 Thickness: **0.914mm**, Temper: Annealed, Size: 50x50 mm to 900x900 mm

FE250250 Thickness: **2.0mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm



Rod

FE257910 Diameter: **6.35mm**, Temper: Annealed, Length: 100 mm to 1000 mm

FE257920 Diameter: **12.7mm**, Temper: Annealed, Length: 100 mm to 1000 mm

FE257930 Diameter: **19.0mm**, Temper: Annealed, Length: 100 mm to 1000 mm

Stainless Steel - AISI 316 (Fe/Cr18/Ni10/Mo 3)



Foil

FE240201 Thickness: **0.005mm**, Coil width: 95mm, Temper: As rolled, Length: 0.025 m to 0.2 m

FE240200 Thickness: **0.0075mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm

FE240210 Thickness: **0.01mm**, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

FE240220 Thickness: **0.0125mm**, Temper: Hard, Coil width 305 mm, Size: 300x300 mm

FE240236 Thickness: **0.025mm**, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

FE240235 Thickness: **0.025mm**, Temper: Hard, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE240240 Thickness: **0.038mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 280x300 mm

FE240241 Thickness: **0.043mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE240252 Thickness: **0.05mm**, Coil width: 50mm, Temper: Annealed, Length: 0.5 m to 10 m

FE240250 Thickness: **0.05mm**, Temper: Annealed, Coil width 315 mm, Size: 25x25 mm to 300x300 mm

FE240260 Thickness: **0.075mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE240261 Thickness: **0.1mm**, Temper: Hard, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

FE240265 Thickness: **0.1mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE240270 Thickness: **0.125mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE240290 Thickness: **0.15mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE240300 Thickness: **0.25mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE240312 Thickness: **0.5mm**, Condition: Ion Implanted, Size: 50x50 mm

FE240311 Thickness: **0.5mm**, Surface treatment: Titanium Nitride coating 2-3 microns, Size: 25x25 mm to 100x100 mm

FE240310 Thickness: **0.5mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FE240315 Thickness: **0.914mm**, Temper: As rolled, Size: 50x50 mm to 500x500 mm

FE240320 Thickness: **0.914mm**, Temper: Annealed, Size: 50x50 mm to 500x500 mm

FE240350 Thickness: **1.0mm**, Temper: Annealed, Size: 15x45 mm to 25x75 mm

FE240380 Thickness: **3.0mm**, Temper: Annealed, Size: 150x150 mm to 300x300 mm

FE240385 Thickness: **5.0mm**, Size: 40x100 mm to 40x500 mm



Foam

FE243825 Thickness: **6.35mm**, Bulk density: 0.55g.cm⁻³, Porosity: 93%, Pores/cm: 24, Size: 150x150 mm

FE243840 Thickness: **12.7mm**, Bulk density: 0.55g.cm⁻³, Porosity: 93%, Pores/cm: 24, Size: 300x350 mm to 300x700 mm



Mesh

FE248703 Nominal Aperture: **0.085mm**, Wire diameter: 0.05mm, Wires/inch: 188x188, Open area: 39.6%, Type: Plain weave mesh, Size: 100x100 mm to 600x600 mm

FE248705 Nominal Aperture: **0.103mm**, Wire diameter: 0.066mm, Wires/inch: 150x150, Open area: 37%, Type: Plain weave mesh, Size: 150x150 mm to 600x600 mm

FE248710 Nominal Aperture: **0.38mm**, Wire diameter: 0.25mm, Wires/inch: 40x40, Open area: 37%, Type: Plain weave mesh, Size: 100x100 mm to 600x600 mm



Wire

FE245100 Diameter: **0.05mm**, Temper: Annealed

FE245102 Diameter: **0.15mm**, Temper: Hard

FE245105 Diameter: **0.25mm**, Temper: Hard

Alloys

FE245320 Diameter: **0.5mm**, Condition: Straight wire, Temper: Hard

FE245130 Diameter: **0.5mm**, Temper: Hard

FE245131 Diameter: **0.5mm**, Temper: Annealed

FE245135 Diameter: **0.6mm**, Temper: Hard

FE245140 Diameter: **0.8mm**, Temper: Hard

FE245110 Diameter: **1.0mm**, Temper: Hard



Insulated Wire

FE245815 Conductor diameter: **0.025mm**, Insulation thickness: 0.002mm, Insulation: Polyester

FE245820 Conductor diameter: **0.05mm**, Insulation thickness: 0.003mm, Insulation: Polyester

FE245810 Conductor diameter: **0.075mm**, Insulation thickness: 0.018mm, Insulation: PTFE (Polytetrafluoroethylene)

FE245840 Conductor diameter: **0.125mm**, Insulation thickness: 0.007mm, Insulation: Polyester

FE245850 Conductor diameter: **0.25mm**, Insulation thickness: 0.009mm, Insulation: Polyester



Rod

FE247910 Diameter: **2.0mm**, Temper: Hard, Length: 500 mm to 1000 mm

FE247915 Diameter: **10.0mm**, Temper: As drawn, Length: 100 mm to 1000 mm

FE247930 Diameter: **12.7mm**, Length: 100 mm to 1000 mm

FE247940 Diameter: **25.4mm**, Length: 100 mm to 500 mm



Tube

FE247200 Outside Diameter: **3.0mm**, Wall Thickness: 0.75mm, Inside Diameter: 1.5mm, Temper: Hard, Length: 100 mm to 1000 mm

FE247400 Outside Diameter: **6.35mm**, Wall Thickness: 2.0mm, Inside Diameter: 2.35mm, Temper: Annealed, Length: 100 mm to 1000 mm

FE247500 Outside Diameter: **8.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 6mm, Temper: Annealed, Length: 100 mm to 1000 mm

FE247600 Outside Diameter: **11.1mm**, Wall Thickness: 0.7mm, Inside Diameter: 9.7mm, Temper: Annealed, Length: 100 mm to 1000 mm

FE247800 Outside Diameter: **20.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 17mm, Temper: Annealed, Length: 100 mm to 1000 mm



Powder

FE246020 Max. Particle size: **45micron**

FE246010 Max. Particle size: **150micron**



Sphere

FE246805 Diameter: **0.5mm**, Tolerance: $\pm 12.7\mu\text{m}$, Sphericity: 2.50 μm , Grade: Precision Sphere, Condition: Grade 100

FE246810 Diameter: **1.0mm**, Tolerance: $\pm 12.7\mu\text{m}$, Sphericity: 2.50 μm , Grade: Precision Sphere, Condition: Grade 100

FE246820 Diameter: **2.0mm**, Tolerance: $\pm 12.7\mu\text{m}$, Sphericity: 2.50 μm , Grade: Precision Sphere, Condition: Grade 100

FE246825 Diameter: **2.5mm**, Tolerance: $\pm 12.7\mu\text{m}$, Sphericity: 2.50 μm , Grade: Precision Sphere, Condition: Grade 100

FE246830 Diameter: **3.0mm**, Tolerance: $\pm 12.7\mu\text{m}$, Sphericity: 2.50 μm , Grade: Precision Sphere, Condition: Grade 100

FE246840 Diameter: **4mm**, Tolerance: $\pm 100\mu\text{m}$, Grade: Precision Sphere

FE246850 Diameter: **5mm**, Tolerance: $\pm 12.7\mu\text{m}$, Sphericity: 2.50 μm , Grade: Precision Sphere, Condition: Grade 100

FE246860 Diameter: **6mm**, Tolerance: $\pm 25\mu\text{m}$, Grade: Precision Sphere

FE246870 Diameter: **8mm**, Tolerance: $\pm 25\mu\text{m}$, Grade: Precision Sphere

FE246880 Diameter: **10mm**, Tolerance: $\pm 12.7\mu\text{m}$, Sphericity: 2.50 μm , Grade: Precision Sphere, Condition: Grade 100

FE246890 Diameter: **25mm**, Tolerance: $\pm 25.4\mu\text{m}$, Sphericity: 5.08 μm , Grade: Precision Sphere, Condition: Grade 200

Stainless Steel - AISI 316L (Fe/Cr18/Ni10/Mo 3)



Foil

FF210230 Thickness: **0.025mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

FF210240 Thickness: **0.03mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 250x300 mm

FF210250 Thickness: **0.05mm**, Temper: Annealed, Coil width 315 mm, Size: 25x25 mm to 300x300 mm

FF210275 Thickness: **0.075mm**, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

FF210280 Thickness: **0.1mm**, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

FF210301 Thickness: **0.15mm**, Temper: Annealed, Condition: Flattened, Size: 100x100 mm to 300x500 mm

FF210321 Thickness: **0.2mm**, Coil width: 12mm, Temper: Annealed, Length: 0.5 m to 10 m

FF210320 Thickness: **0.2mm**, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

FF210331 Thickness: **0.25mm**, Coil width: 12mm, Temper: Annealed, Length: 0.5 m to 10 m

FF210330 Thickness: **0.25mm**, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

FF210335 Thickness: **0.30mm**, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

FF210340 Thickness: **0.38mm**, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

FF210351 Thickness: **0.5mm**, Temper: Annealed, Condition: Polished on both sides, Size: 50x50 mm to 300x500 mm

FF210352 Thickness: **0.5mm**, Temper: Annealed, Condition: Flattened, Size: 250x300 mm to 300x500 mm

FF210350 Thickness: **0.5mm**, Temper: Annealed, Size: 150x150 mm to 300x300 mm

FF210375 Thickness: **0.9mm**, Temper: Annealed, Condition: Mirror polished on one side, Size: 90x210 mm to 200x200 mm

FF210376 Thickness: **0.9mm**, Temper: Annealed, Condition: Mirror polished on both sides, Size: 25x25 mm to 100x100 mm

FF210385 Thickness: **1.2mm**, Temper: Annealed, Condition: Mirror polished on both sides, Size: 25x25 mm to 200x200 mm

FF210400 Thickness: **2.0mm**, Temper: Annealed, Size: 150x150 mm to 300x300 mm

Alloys

FF210401 Thickness: **2.0mm**, Temper: Annealed, Condition: Mirror polished on both sides, Size: 100x100 mm

FF210450 Thickness: **3.0mm**, Size: 100x100 mm to 500x500 mm

FF210460 Thickness: **4.0mm**, Size: 150x150 mm to 300x300 mm

FF210480 Thickness: **5.0mm**, Size: 279x300 mm to 300x300 mm

FF210800 Thickness: **8.0mm**, Temper: Annealed, Size: 100x100 mm to 205x205 mm

FF210801 Thickness: **8.0mm**, Temper: Annealed, Size: 500x500 mm



Non-Woven Fabric

FF213720 Weight.m⁻²: **50g**, Thickness: 0.060mm, Size: 150x150 mm to 560x560 mm



Wire

FF215105 Diameter: **0.025mm**, Temper: Annealed

FF215108 Diameter: **0.050mm**, Temper: Annealed

FF215110 Diameter: **0.10mm**, Temper: Hard

FF215120 Diameter: **0.20mm**, Temper: As drawn

FF215307 Diameter: **0.25mm**, Condition: Straight wire, Temper: Annealed

FF215125 Diameter: **0.25mm**, Temper: As drawn

FF215310 Diameter: **0.3mm**, Condition: Straight wire, Temper: Annealed

FF215130 Diameter: **0.3mm**, Temper: As drawn

FF215135 Diameter: **0.4mm**, Temper: As drawn

FF215313 Diameter: **0.5mm**, Condition: Straight wire, Temper: Annealed

FF215314 Diameter: **0.5mm**, Condition: Straight wire, Temper: Hard

FF215140 Diameter: **0.5mm**, Temper: As drawn

FF215145 Diameter: **0.6mm**, Temper: As drawn

FF215148 Diameter: **0.7mm**, Temper: As drawn

FF215315 Diameter: **0.8mm**, Condition: Straight wire, Temper: Annealed

FF215152 Diameter: **0.8mm**, Temper: As drawn

FF215156 Diameter: **0.9mm**, Temper: As drawn

FF215317 Diameter: **1.0mm**, Condition: Straight wire, Temper: Annealed

FF215160 Diameter: **1.0mm**, Temper: As drawn

FF215320 Diameter: **1.5mm**, Condition: Straight wire, Temper: Annealed

FF215330 Diameter: **2.0mm**, Condition: Straight wire, Temper: Annealed



Rod

FF217905 Diameter: **3.175mm**, Length: 100 mm to 1000 mm

FF217908 Diameter: **5.0mm**, Length: 100 mm to 1000 mm

FF217910 Diameter: **6.0mm**, Length: 100 mm to 1000 mm

FF217915 Diameter: **8.0mm**, Length: 100 mm to 1000 mm

FF217920 Diameter: **12.7mm**, Length: 100 mm to 1000 mm

FF217922 Diameter: **16mm**, Length: 100 mm to 1000 mm

FF217925 Diameter: **20mm**, Length: 100 mm to 1000 mm

FF217930 Diameter: **25.4mm**, Length: 100 mm to 1000 mm

FF217935 Diameter: **38.1mm**, Length: 100 mm to 1000 mm

FF217940 Diameter: **50.8mm**, Length: 50 mm to 500 mm



Tube

FF217190 Outside Diameter: **1.00mm**, Wall Thickness: 0.05mm, Inside Diameter: 0.9mm, Temper: Hard, Length: 200 mm to 1000 mm

FF217201 Outside Diameter: **1.65mm**, Wall Thickness: 0.225mm, Inside Diameter: 1.2mm, Temper: Hard, Length: 100 mm

FF217199 Outside Diameter: **1.65mm**, Wall Thickness: 0.13mm, Inside Diameter: 1.39mm, Temper: Hard, Length: 200 mm to 1000 mm

FF217200 Outside Diameter: **1.65mm**, Wall Thickness: 0.13mm, Inside Diameter: 1.39mm, Temper: Hard, Length: 100 mm

FF217300 Outside Diameter: **2.1mm**, Wall Thickness: 0.25mm, Inside Diameter: 1.6mm, Temper: Annealed, Length: 100 mm to 1000 mm

FF217301 Outside Diameter: **2.1mm**, Wall Thickness: 0.25mm, Inside Diameter: 1.6mm, Temper: Annealed, Length: 150 mm

FF217401 Outside Diameter: **4.0mm**, Wall Thickness: 0.55mm, Inside Diameter: 2.9mm, Temper: Annealed, Length: 100 mm to 1000 mm

FF217420 Outside Diameter: **4.2mm**, Wall Thickness: 0.2mm, Inside Diameter: 3.8mm, Temper: Annealed, Length: 100 mm to 1000 mm

FF217430 Outside Diameter: **5.5mm**, Wall Thickness: 0.24mm, Inside Diameter: 5.02mm, Temper: **Hard**, **Rugosity**: <1.0um Ra Internal & External, Length: 1525 mm

FF217450 Outside Diameter: **6.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 4mm, Temper: Annealed, Length: 100 mm to 1000 mm

FF217650 Outside Diameter: **9.5mm**, Wall Thickness: 0.5mm, Inside Diameter: 8.5mm, Length: 100 mm to 1000 mm

FF217800 Outside Diameter: **15.0mm**, Wall Thickness: 2.0mm, Inside Diameter: 11mm, Temper: Annealed, Length: 100 mm to 1000 mm



Powder

FF216030 Mean Particle size: **3micron**, Condition: Atomized

FF216040 Max. Particle size: **45micron**, Condition: Atomized

Stainless Steel - AISI 321 (Fe/Cr18/Ni 9/Ti)



Foil

FE210210 Thickness: **0.0125mm**, Temper: Hard, Coil width 220 mm, Size: 25x25 mm to 150x150 mm

FE210211 Thickness: **0.0125mm**, Temper: Annealed, Coil width 310 mm, Size: 300x300 mm

FE210220 Thickness: **0.015mm**, Temper: As rolled, Coil width 150 mm, Size: 150x150 mm

FE210247 Thickness: **0.025mm**, Temper: Half hard, Coil width 175 mm, Size: 25x25 mm to 175x300 mm

FE210244 Thickness: **0.025mm**, Temper: Hard, Coil width 220 mm, Size: 25x25 mm to 150x150 mm

FE210246 Thickness: **0.025mm**, Temper: Annealed, Size: 25x25 mm to 300x300 mm

FE210250 Thickness: **0.05mm**, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

Alloys

- FE210260** Thickness: **0.075mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- FE210280** Thickness: **0.1mm**, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
- FE210300** Thickness: **0.125mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- FE210305** Thickness: **0.15mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- FE210310** Thickness: **0.2mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- FE210321** Thickness: **0.25mm**, Coil width: 150mm, Temper: Annealed, Length: 0.5 m to 10 m
- FE210320** Thickness: **0.25mm**, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
- FE210341** Thickness: **0.5mm**, Coil width: 20mm, Temper: Annealed, Length: 1 m to 20 m
- FE210340** Thickness: **0.5mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- FE210350** Thickness: **0.914mm**, Temper: Annealed, Size: 50x50 mm to 900x900 mm
- FE210380** Thickness: **2.0mm**, Temper: Annealed, Size: 100x100 mm to 300x300 mm
- FE210400** Thickness: **3.0mm**, Temper: Annealed, Size: 150x150 mm to 300x300 mm



Wire

- FE215150** Diameter: **0.5mm**, Temper: Annealed



Rod

- FE217920** Diameter: **6.35mm**, Length: 100 mm to 1000 mm
- FE217930** Diameter: **12.7mm**, Length: 100 mm to 1000 mm
- FE217940** Diameter: **25.4mm**, Length: 100 mm to 500 mm



Tube

- FE217160** Outside Diameter: **1.60mm**, Wall Thickness: 0.55mm, Inside Diameter: 0.5mm, Temper: Hard, Length: 100 mm to 1000 mm
- FE217600** Outside Diameter: **10.0mm**, Wall Thickness: 2.0mm, Inside Diameter: 6mm, Temper: Annealed, Length: 100 mm
- FE217610** Outside Diameter: **10.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 7mm, Temper: Annealed, Length: 100 mm to 1000 mm

Stainless Steel - AISI 347 (Fe/Cr18/Ni10/Nb)



Foil

- FE230210** Thickness: **0.05mm**, Temper: Annealed, Size: 25x25 mm to 100x100 mm
- FE230220** Thickness: **0.1mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- FE230230** Thickness: **0.2mm**, Temper: Annealed, Size: 25x25 mm to 150x150 mm
- FE230240** Thickness: **0.25mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- FE230350** Thickness: **2.0mm**, Temper: Annealed, Size: 150x150 mm to 300x300 mm



Wire

- FE235150** Diameter: **0.5mm**, Temper: Annealed



Powder

- FE236010** Max. Particle size: **45micron**, Condition: Atomized

Stainless Steel - AISI 410 (Fe/Cr12.5)



Foil

- FE260450** Thickness: **0.5mm**, Size: 50x50 mm to 200x200 mm



Wire

- FE265160** Diameter: **1mm**, Temper: As drawn



Rod

- FE267920** Diameter: **9.5mm**, Length: 100 mm to 1000 mm



Powder

- FE266020** Max. Particle size: **45micron**, Condition: Atomized

Stainless Steel - AISI 416 (Fe/Cr13/Mn 1/Si 0.5)



Rod

- FF157960** Diameter: **31.5mm**, Temper: Annealed, Length: 100 mm to 500 mm

Stainless Steel - AISI 420 (Fe86.7/Cr13.0/C 0.3)



Foil

- FK110250** Thickness: **0.075mm**, Temper: Annealed, Coil width 110 mm, Size: 25x25 mm to 100x100 mm



Sheet

- FK113050** Thickness: **0.5mm**, Size: 50x50 mm to 200x200 mm
- FK113080** Thickness: **1.0mm**, Size: 50x50 mm to 200x200 mm
- FK113100** Thickness: **1.5mm**, Size: 50x50 mm to 300x300 mm
- FK113150** Thickness: **2.0mm**, Size: 90x90 mm to 180x180 mm



Wire

- FK115160** Diameter: **1.0mm**, Temper: As drawn



Rod

- FK117920** Diameter: **9.5mm**, Length: 100 mm to 1000 mm

Stainless Steel - AISI 430 (Fe81/Cr17/Mn/Si/C/S/P)



Foil

- FF230280** Thickness: **0.15mm**, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x150 mm
- FF230330** Thickness: **0.70mm**, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
- FF230400** Thickness: **2.0mm**, Temper: Annealed, Size: 50x50 mm to 200x200 mm



Wire

- FF235110** Diameter: **0.025mm**, Temper: Annealed
- FF235120** Diameter: **0.05mm**, Temper: Annealed
- FF235130** Diameter: **0.50mm**, Temper: Annealed, Condition: Diameter +/- 3%
- FF235140** Diameter: **1.0mm**, Temper: Annealed, Condition: Diameter +/- 3%

Alloys



Rod

FF237919 Diameter: **12.0mm**, Length: 100 mm to 1000 mm

FF237920 Diameter: **12.7mm**, Length: 100 mm to 1000 mm

Stainless Steel - AISI 431 (Fe82/Cr16/Ni2)



Rod

FL027910 Diameter: **6.0mm**, Length: 100 mm to 1000 mm

FL027920 Diameter: **8.0mm**, Length: 100 mm to 1000 mm

Stainless Steel - Duplex (Fe/Cr22/Ni 5.5/Mo 3/N)



Wire

FA205150 Diameter: **0.5mm**

Stainless Steel - Super Duplex (Fe/Cr25/Ni 7/Mo 4)



Rod

FL047920 Diameter: **12.7mm**, Temper: Annealed, Length: 100 mm to 1000 mm

Gallium/Indium/Tin (Ga62/In22/Sn16)



Lump

GA066100 Max. Lump size: **100mm**, Condition: Liquid at RTP

Gallium/Indium/Tin (Ga68.5/In21.5/Sn10)



Lump

GA056100 Max. Lump size: **100mm**, Condition: Liquid at RTP

Gallium/Indium (Ga75.5/In24.5)



Lump

GA046100 Max. Lump size: **10mm**, Condition: Liquid at RTP

Indium/Tin (In50/Sn50)



Foil

IN080200 Thickness: **0.05mm**, Tolerance: 25 %, Size: 25x25 mm to 100x100 mm

IN080230 Thickness: **0.1mm**, Size: 25x25 mm to 100x100 mm

IN080250 Thickness: **0.25mm**, Size: 25x25 mm to 100x100 mm

Indium/Silver (In75/Ag25 Atomic %)



Rod

IN177910 Diameter: **3.0mm**, Temper: As drawn, Length: 25 mm to 100 mm

Indium/Silver (In90/Ag10)



Sputtering Target

IN189200 Thickness: **2.0mm**, Size: 25.4 mm to 76.2 mm

Indium/Tin (In90/Sn10)



Sheet

IN023200 Thickness: **2.0mm**, Size: 50x50 mm to 100x100 mm

IN023300 Thickness: **3.0mm**, Size: 50x50 mm to 100x100 mm



Sputtering Target

IN029200 Thickness: **2.0mm**, Size: 50 mm to 76.2 mm

IN029300 Thickness: **3.0mm**, Size: 50.8 mm to 76.2 mm



Rod

IN027920 Diameter: **5.0mm**, Length: 50 mm to 500 mm

Indium/Tin (In95/Sn 5)



Sheet

IN103300 Thickness: **3mm**, Size: 50x50 mm to 100x100 mm



Sputtering Target

IN109300 Thickness: **3mm**, Size: 50 mm to 75 mm

Indium/Silver (In97/Ag 3)



Foil

IN130300 Thickness: **0.3mm**, Size: 30x30 mm to 120x120 mm



Wire

IN135130 Diameter: **0.25mm**, Temper: As drawn

Magnesium/Nickel (Mg85/Ni15)



Rod

MG047920 Diameter: **22mm**, Length: 50 mm to 500 mm

Magnesium Alloy AZ61 (Mg93/Al 6/Zn 1)



Rod

MG097935 Diameter: **22mm**, Length: 85 mm

MG097940 Diameter: **25mm**, Length: 100 mm to 500 mm

Magnesium alloy AZ31 (Mg96/Al 3/Zn 1)



Foil

MG010250 Thickness: **0.25mm**, Size: 100x100 mm to 200x500 mm

MG010300 Thickness: **0.5mm**, Size: 100x100 mm to 200x500 mm

MG010350 Thickness: **1.0mm**, Size: 100x100 mm to 200x500 mm

MG010400 Thickness: **2.0mm**, Size: 100x100 mm to 200x500 mm



Rod

MG017910 Diameter: **3mm**, Condition: Extruded, Length: 490 mm to 980 mm

MG017930 Diameter: **10mm**, Condition: Extruded, Length: 100 mm to 1000 mm

MG017950 Diameter: **25mm**, Condition: Extruded, Length: 100 mm to 1000 mm

Alloys

Manganese/Nickel (Mn70/Ni30)



Powder

MN106010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Manganese/Iron (Mn80/Fe20)



Sputtering Target

MN229700 Thickness: **7mm**, Size: 23 mm

Manganese/Nickel (Mn88/Ni12)



Foil

MN010200 Thickness: **0.0125mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm

MN010205 Thickness: **0.02mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm

MN010210 Thickness: **0.025mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm

MN010215 Thickness: **0.038mm**, Temper: As rolled, Size: 50x50 mm

MN010220 Thickness: **0.050mm**, Temper: As rolled, Size: 50x50 mm to 100x100 mm

MN010230 Thickness: **0.125mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm

MN010260 Thickness: **0.25mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm



Powder

MN016010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Molybdenum/Rhenium (Mo52.5/Re47.5)



Foil

MO070210 Thickness: **0.050mm**, Temper: Annealed, Size: 25x25 mm to 50x50 mm

MO070240 Thickness: **0.125mm**, Temper: Annealed, Size: 25x25 mm to 100x100 mm



Wire

MO075125 Diameter: **0.125mm**, Temper: As drawn

MO075140 Diameter: **0.25mm**, Temper: As drawn

MO075160 Diameter: **0.5mm**, Temper: As drawn



Tube

MO077201 Outside Diameter: **2mm**, Wall Thickness: 0.4mm, Inside Diameter: 1.2mm, Temper: As drawn, Length: 50 mm to 500 mm

Molybdenum/Tungsten (Mo67/W 33)



Rod

MO157925 Diameter: **25mm**, Length: 50 mm to 200 mm

Molybdenum/Titanium (Mo80/Ti20)



Powder

MO046010 Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

MO046020 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Molybdenum/Titanium (Mo90/Ti10)



Powder

MO056010 Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

Molybdenum High Temperature Alloy TZM (Mo99/Ti 0.5/Zr 0.1)



Foil

MO010250 Thickness: **0.125mm**, Temper: As rolled, Size: 20x30 mm to 90x120 mm

MO010270 Thickness: **0.25mm**, Temper: As rolled, Size: 50x50 mm to 300x300 mm

MO010380 Thickness: **0.52mm**, Temper: As rolled, Size: 25x25 mm to 150x150 mm

MO010400 Thickness: **1.0mm**, Temper: As rolled, Size: 25x25 mm to 150x150 mm

MO010450 Thickness: **3.0mm**, Temper: As rolled, Size: 50x50 mm to 150x150 mm



Sheet

MO013200 Thickness: **5.0mm**, Size: 100x100 mm

MO013300 Thickness: **10.0mm**, Size: 100x100 mm to 150x150 mm



Rod

MO017910 Diameter: **5.0mm**, Length: 50 mm to 1000 mm

MO017920 Diameter: **10.0mm**, Length: 50 mm to 1000 mm

MO017925 Diameter: **15.0mm**, Length: 50 mm to 500 mm

MO017930 Diameter: **20.0mm**, Length: 50 mm to 200 mm

Superconducting Composite Wire (Nb/Ti + Cu)



Wire

NB015100 Diameter: **0.4mm**

NB015150 Diameter: **0.4mm**

NB015250 Diameter: **0.4mm**

Niobium/Titanium (Nb52/Ti48)



Wire

NB045130 Diameter: **0.25mm**, Temper: Annealed

Niobium/Titanium (Nb56/Ti44)



Powder

NB026010 Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

NB026020 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Niobium/Tin (Nb75/Sn25 (Atomic %))



Powder

NB076010 Max. Particle size: **250micron**

Niobium/Tantalum (Nb98.5/Ta 1.5)



Tube

NB137600 Outside Diameter: **10.0mm**, Wall Thickness: 0.4mm, Inside Diameter: 9.2mm, Temper: As drawn, Length: 100 mm to 1000 mm

Alloys

Niobium/Zirconium (Nb99/Zr 1)



Wire

NB035160 Diameter: **0.25mm**, Temper: As drawn



Rod

NB037940 Diameter: **3.95mm**, Temper: Annealed, Length: 100 mm to 1000 mm



Tube

NB037100 Outside Diameter: **1.76mm**, Wall Thickness: 0.25mm, Inside Diameter: 1.26mm, Length: 100 mm to 500 mm

NB037350 Outside Diameter: **3.95mm**, Wall Thickness: 0.35mm, Inside Diameter: 3.25mm, Temper: Stress relieved, Length: 100 mm to 1000 mm

Neodymium/Iron/Boron (Nd₂Fe₁₄B)



Sheet

ND013020 Thickness: **2mm**, Condition: Rare earth magnet, Coating: Parylene, Size: 5x5 mm

ND013050 Thickness: **5mm**, Condition: Rare earth magnet, Coating: Uncoated, Size: 15x15 mm



Sputtering Target

ND019100 Thickness: **1mm**, Condition: Non-magnetized, Coating: Uncoated, Size: 10 mm to 50 mm

ND019300 Thickness: **3.0mm**, Condition: Non-magnetized, Coating: Uncoated, Size: 25 mm to 50 mm



Rod

ND017910 Diameter: **6.35 mm**, Condition: Rare earth magnet, Coating: Parylene, Length: 2 mm

ND017915 Diameter: **6.35 mm**, Condition: Rare earth magnet, Coating: Uncoated, Length: 15 mm

ND017920 Diameter: **10mm**, Condition: Rare earth magnet, Coating: Parylene, Length: 3 mm

ND017930 Diameter: **15mm**, Condition: Rare earth magnet, Coating: Uncoated, Length: 3 mm

Incoloy® alloy 800 - Heat Resisting Alloy (Ni32.5/Cr21/Fe)

INCOLOY® alloy 800



Foil

NI120350 Thickness: **0.5mm**, Size: 50x50 mm to 300x300 mm



Rod

NI127930 Diameter: **10mm**, Temper: Annealed, Length: 100 mm to 500 mm



Tube

NI127400 Outside Diameter: **9.5mm**, Wall Thickness: 0.7mm, Inside Diameter: 8.1mm, Temper: Annealed, Length: 100 mm to 1000 mm

Alloy 825 (Ni39.5/Fe32/Cr22/Mo 3/Cu 2/Ti)



Rod

NL067920 Diameter: **12mm**, Temper: Annealed, Length: 100 mm to 1000 mm

Hastelloy® X (Ni49.5/Cr22/Fe18/Mo 9/Co 1/W)



Foil

NE070350 Thickness: **0.50mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm



Wire

NE075110 Diameter: **0.25mm**, Temper: Annealed

NE075120 Diameter: **0.50mm**, Temper: Annealed

NE075130 Diameter: **0.8mm**, Temper: Annealed

NE075140 Diameter: **1.0mm**, Temper: Annealed



Rod

NE077920 Diameter: **9.5mm**, Length: 50 mm to 500 mm

NE077930 Diameter: **16mm**, Length: 50 mm to 500 mm

NE077940 Diameter: **25.4mm**, Length: 50 mm to 200 mm

Nickel/Cobalt (Ni50/Co50)



Wire

NC265050 Diameter: **0.50mm**, Temper: As drawn

Magnetic Shape Memory Alloy (Ni50/Mn28/Ga22 (Atomic %))



Bar

MA048010 Side Length: **1mm**, Side Length (of longer side): 2.5mm, Condition: Shape-Memory Alloy, Length: 20 mm

MA048015 Side Length: **2mm**, Side Length (of longer side): 3mm, Condition: Shape-Memory Alloy, Length: 15 mm

MA048020 Side Length: **3mm**, Side Length (of longer side): 5mm, Condition: Shape-Memory Alloy, Length: 20 mm

Nickel/Iron (Ni52/Fe48)



Sheet

NI193100 Thickness: **7.1mm**, Size: 108x108 mm



Rod

NI197910 Diameter: **2mm**, Temper: Annealed, Length: 100 mm to 1000 mm

NI197920 Diameter: **3mm**, Length: 100 mm to 1000 mm



Tube

NI197450 Outside Diameter: **4.5mm**, Wall Thickness: 0.07mm, Inside Diameter: 4.36mm, Length: 200 mm to 1000 mm

NI197651 Outside Diameter: **6.5mm**, Wall Thickness: 0.07mm, Inside Diameter: 6.36mm, Length: 200 mm to 1000 mm

NI197750 Outside Diameter: **9.55mm**, Wall Thickness: 0.275mm, Inside Diameter: 9.0mm, Length: 100 mm to 1000 mm

Nimonic® alloy 90 (Ni53/Cr20/Co18/Ti 2.5/Al 1.5/Fe 1.5)

Nimonic 90®



Foil

NJ100275 Thickness: **0.6mm**, Temper: Annealed, Size: 50x50 mm to 200x200 mm

Alloys

NJ100400 Thickness: **2.0mm**, Temper: Annealed, Size: 50x50 mm to 200x200 mm



Wire

NJ105150 Diameter: **1.0mm**, Temper: Spring hard



Rod

NJ107920 Diameter: **6.0mm**, Length: 100 mm to 1000 mm

NJ107930 Diameter: **9.5mm**, Length: 92 mm

NJ107940 Diameter: **12.7mm**, Length: 50 mm to 500 mm

NJ107945 Diameter: **20mm**, Length: 100 mm to 500 mm

NJ107950 Diameter: **22mm**, Length: 100 mm to 500 mm

NJ107960 Diameter: **32mm**, Length: 172 mm

Inconel[®] alloy 718 - Heat Resisting Alloy (Ni53/Fe19/Cr19/Nb/Mo/Ti)

INCONEL[®] alloy 718



Foil

NI130250 Thickness: **0.1mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm

NI130300 Thickness: **0.25mm**, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

NI130350 Thickness: **0.5mm**, Temper: Annealed, Size: 100x100 mm to 200x200 mm

NI130450 Thickness: **1.0mm**, Temper: Annealed, Size: 100x100 mm to 200x200 mm

NI130480 Thickness: **2.0mm**, Temper: Annealed, Size: 100x100 mm to 200x200 mm

NI130520 Thickness: **5.0mm**, Temper: Annealed, Size: 79x79 mm to 155x155 mm



Wire

NI135140 Diameter: **0.5mm**, Temper: Annealed

NI135150 Diameter: **1.0mm**, Temper: Annealed

NI135155 Diameter: **1.2mm**, Temper: Annealed



Rod

NI137910 Diameter: **6.35 mm**, Temper: Solution annealed + aged, Length: 100 mm to 1000 mm

NI137925 Diameter: **12.7mm**, Temper: Annealed, Length: 100 mm to 1000 mm

NI137930 Diameter: **16mm**, Temper: Annealed, Length: 100 mm to 1000 mm

NI137935 Diameter: **19mm**, Temper: Annealed, Length: 100 mm to 300 mm

NI137936 Diameter: **20mm**, Temper: Annealed, Length: 100 mm to 500 mm

NI137940 Diameter: **25.4mm**, Temper: Annealed, Length: 100 mm to 500 mm

Nitinol (Ni55/Ti45)



Foil

NI200320 Thickness: **0.5mm**, Temper: Annealed, Condition: AF 40°C to 95°C, Size: 45x45 mm to 90x225 mm



Wire

NI205040 Diameter: **0.125 mm**, Condition: Shape-Memory Alloy, Type: Superelastic, Condition: Ap-Temperature = -15°C

NI205041 Diameter: **0.125 mm**, Condition: Shape-Memory Alloy, Type: Body temperature, Condition: Ap-Temperature = 27°C

NI205042 Diameter: **0.125 mm**, Condition: Shape-Memory Alloy, Condition: Surface oxide, Condition: Ap-Temperature = 69°C

NI205101 Diameter: **0.8 mm**, Condition: Shape-Memory Alloy



Rod

NI207925 Diameter: **2.5mm**, Condition: Superelastic, Temper: Annealed, Length: 100 mm to 1000 mm



Tube

NI207050 Outside Diameter: **0.33mm**, Wall Thickness: 0.045mm, Inside Diameter: 0.24mm, Condition: Superelastic, Length: 100 mm to 1000 mm

NI207080 Outside Diameter: **0.8mm**, Wall Thickness: 0.1mm, Inside Diameter: 0.6mm, Condition: Superelastic, Length: 100 mm to 1000 mm

NI207130 Outside Diameter: **1.27mm**, Wall Thickness: 0.15mm, Inside Diameter: 0.97mm, Condition: Superelastic, Length: 100 mm to 1000 mm

NI207180 Outside Diameter: **1.8mm**, Wall Thickness: 0.125mm, Inside Diameter: 1.55mm, Condition: Superelastic, Length: 100 mm to 1000 mm

Inconel[®] 617 (Ni57/Cr22/Co12/Mo 9)



Rod

NE067902 Diameter: **1.6mm**, Temper: Annealed, Length: 450 mm to 900 mm

NE067904 Diameter: **2.4mm**, Temper: Annealed, Length: 450 mm to 900 mm

NE067920 Diameter: **19mm**, Temper: Annealed, Length: 50 mm to 200 mm

Hastelloy[®] C276 - Heat Resisting Alloy (Ni57/Mo17/Cr16/Fe/W/Mn)



Foil

NI140225 Thickness: **0.025mm**, Temper: As rolled, Coil width 190 mm, Size: 25x25 mm to 150x150 mm

NI140250 Thickness: **0.05mm**, Temper: Annealed, Coil width 203 mm, Size: 25x25 mm to 200x200 mm

NI140272 Thickness: **0.075mm**, Coil width: 40mm, Temper: Hard, Length: 0.5 m

NI140271 Thickness: **0.075mm**, Temper: Hard, Coil width 200 mm, Size: 25x25 mm to 150x150 mm

NI140270 Thickness: **0.075mm**, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 300x300 mm

NI140301 Thickness: **0.15mm**, Coil width: 6.6mm, Temper: Annealed, Length: 0.5 m

NI140300 Thickness: **0.15mm**, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

NI140540 Thickness: **1.0mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm

NI140550 Thickness: **1.2mm**, Size: 50x50 mm to 100x100 mm



Wire

NI145120 Diameter: **0.1mm**, Temper: Hard

NI145150 Diameter: **0.5mm**, Temper: Hard

NI145160 Diameter: **1.0mm**, Temper: Hard

Alloys



Rod

- NI147920** Diameter: **10mm**, Length: 480 mm to 490 mm
- NI147930** Diameter: **12.7mm**, Length: 50 mm to 500 mm
- NI147940** Diameter: **16mm**, Length: 50 mm to 500 mm
- NI147950** Diameter: **25mm**, Length: 50 mm to 200 mm
- NI147955** Diameter: **30mm**, Length: 50 mm to 200 mm



Tube

- NI147100** Outside Diameter: **3.2mm**, Wall Thickness: 0.9mm, Inside Diameter: 1.4mm, Length: 100 mm to 1000 mm
- NI147095** Outside Diameter: **3.2mm**, Wall Thickness: 0.5mm, Inside Diameter: 2.2mm, Length: 100 mm to 1000 mm
- NI147200** Outside Diameter: **6.35mm**, Wall Thickness: 0.9mm, Inside Diameter: 4.55mm, Length: 100 mm to 1000 mm
- NI147300** Outside Diameter: **9.5mm**, Wall Thickness: 0.9mm, Inside Diameter: 7.7mm, Length: 100 mm to 1000 mm

Waspaloy® - Heat Resisting Alloy (Ni58/Cr19/Co14/Mo/Ti/Al/Fe)



Foil

- NI150250** Thickness: **0.025mm**, Temper: As rolled, Size: 25x25 mm to 150x150 mm
- NI150300** Thickness: **0.25mm**, Temper: Annealed, Coil width 210 mm, Size: 25x25 mm to 150x150 mm
- NI150450** Thickness: **1mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm



Rod

- NI157950** Diameter: **25mm**, Condition: Centerless ground, Length: 50 mm to 200 mm

Hastelloy® C-22 (Ni59/Cr22/Mo13/Fe 3/W 3)



Wire

- NE095350** Diameter: **1.0mm**, Temper: Annealed, Condition: Straight wire



Rod

- NE097910** Diameter: **6.35mm**, Temper: Annealed, Length: 100 mm to 1000 mm
- NE097951** Diameter: **50.8mm**, Temper: Annealed, Length: 25 mm to 100 mm

Nickel/Titanium (Ni60/Ti40)



Powder

- NJ076010** Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Inconel 625® - Corrosion Resistant Alloy (Ni61/Cr22/Mo 9/Fe 5)



Foil

- NI040210** Thickness: **0.025mm**, Temper: Annealed, Coil width 292 mm, Size: 70x70 mm to 280x280 mm
- NI040200** Thickness: **0.05mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- NI040230** Thickness: **0.10mm**, Temper: Annealed, Coil width 330 mm, Size: 65x65 mm to 300x300 mm

- NI040240** Thickness: **0.2mm**, Temper: Annealed, Coil width 300 mm, Size: 50x50 mm to 300x300 mm

- NI040250** Thickness: **0.3mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm

- NI040270** Thickness: **0.5mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm



Sheet

- NI043026** Thickness: **1.0mm**, Temper: Annealed, Condition: Polished on both sides, Size: 50x50 mm to 100x100 mm

- NI043025** Thickness: **1.0mm**, Temper: Annealed, Size: 100x100 mm to 200x200 mm

- NI043050** Thickness: **2.0mm**, Temper: Annealed, Size: 100x100 mm to 200x200 mm

- NI043075** Thickness: **3.0mm**, Temper: Annealed, Size: 100x100 mm to 200x200 mm

- NI043100** Thickness: **5mm**, Size: 100x103 mm



Wire

- NI045150** Diameter: **0.5mm**, Temper: Annealed



Rod

- NI047902** Diameter: **3.0mm**, Temper: Annealed, Length: 100 mm to 1000 mm

- NI047905** Diameter: **6.35mm**, Temper: Annealed, Length: 100 mm to 1000 mm

- NI047910** Diameter: **12.0mm**, Temper: Annealed, Length: 50 mm to 500 mm

- NI047916** Diameter: **20mm**, Temper: Annealed, Length: 50 mm to 500 mm

- NI047920** Diameter: **25mm**, Temper: Annealed, Length: 50 mm to 200 mm

Inconel® alloy 601 - Heat Resisting Alloy (Ni61/Cr23/Al1.4/Mn1.0/Fe)



Crucible

- NL118605** Shape: **Cylindrical**, Outside Diameter: 21mm, Inside Diameter: 19mm, Height: 19mm, Capacity: 5ml, Quantity, : 1 pcs

- NL118610** Shape: **Cylindrical**, Outside Diameter: 27mm, Inside Diameter: 25mm, Height: 22mm, Capacity: 10ml, Quantity, : 1 pcs

- NL118615** Shape: **Cylindrical**, Outside Diameter: 33mm, Inside Diameter: 31mm, Height: 22mm, Capacity: 15ml, Quantity, : 1 pcs

- NL118620** Shape: **Cylindrical**, Outside Diameter: 33mm, Inside Diameter: 31mm, Height: 29mm, Capacity: 20ml, Quantity, : 1 pcs

- NL118625** Shape: **Cylindrical**, Outside Diameter: 47mm, Inside Diameter: 45mm, Height: 22mm, Capacity: 25ml, Quantity, : 1 pcs

- NL118635** Shape: **Cylindrical**, Outside Diameter: 47mm, Inside Diameter: 45mm, Height: 29mm, Capacity: 35ml, Quantity, : 1 pcs

- NL118645** Shape: **Cylindrical**, Outside Diameter: 47mm, Inside Diameter: 45mm, Height: 34mm, Capacity: 45ml, Quantity, : 1 pcs

- NL118655** Shape: **Cylindrical**, Outside Diameter: 47mm, Inside Diameter: 45mm, Height: 41mm, Capacity: 55ml, Quantity, : 1 pcs

- NL118675** Shape: **Cylindrical**, Outside Diameter: 51mm, Inside Diameter: 49mm, Height: 41mm, Capacity: 75ml, Quantity, : 1 pcs

Alloys

- NL118680** Shape: **Cylindrical**, Outside Diameter: 59mm, Inside Diameter: 57mm, Height: 45mm, Capacity: 100ml, Quantity: : 1 pcs
- NL118685** Shape: **Cylindrical**, Outside Diameter: 83mm, Inside Diameter: 81mm, Height: 57mm, Capacity: 250ml, Quantity: : 1 pcs
- NL118690** Shape: **Cylindrical**, Outside Diameter: 104mm, Inside Diameter: 102mm, Height: 63mm, Capacity: 500ml, Quantity: : 1 pcs
- NL118695** Shape: **Cylindrical**, Outside Diameter: 127mm, Inside Diameter: 125mm, Height: 89mm, Capacity: 1000ml, Quantity: : 1 pcs
- NL118698** Shape: **Cylindrical**, Outside Diameter: 152mm, Inside Diameter: 150mm, Height: 99mm, Capacity: 1500ml, Quantity: : 1 pcs

Haynes® 230 alloy (Ni62/Cr22/W 14/Mo 2)



Rod

- NE057920** Diameter: **12.7mm**, Temper: Annealed, Length: 50 mm to 200 mm
- NE057930** Diameter: **25.4mm**, Temper: Annealed, Length: 50 mm to 100 mm

Hastelloy® B - Corrosion Resistant Alloy (Ni62/Mo28/Fe 5/Cr/Mn/Si)



Foil

- NI010250** Thickness: **0.010mm**, Size: 25x25 mm to 100x100 mm

Nickel/Silicon (Ni62/Si38)



Powder

- NJ056011** Max. Particle size: **150micron**, Condition: Atomized

Monel® alloy K-500 (Ni63/Cu30/Al3/Fe2/Mn1.5/Ti0.5)



Sheet

- NE043050** Thickness: **3.5mm**, Temper: Annealed, Size: 100x100 mm to 200x200 mm

Monel® alloy 400 (Ni65/Cu33/Fe 2)

MONEL® alloy 400



Foil

- NI110250** Thickness: **0.025mm**, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
- NI110251** Thickness: **0.030mm**, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x300 mm
- NI110300** Thickness: **0.05mm**, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x300 mm
- NI110320** Thickness: **0.075mm**, Temper: Annealed, Coil width 150 mm, Size: 25x25 mm to 150x300 mm
- NI110350** Thickness: **0.12mm**, Temper: Annealed, Size: 25x25 mm to 150x300 mm
- NI110352** Thickness: **0.125mm**, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
- NI110355** Thickness: **0.2mm**, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 300x300 mm
- NI110380** Thickness: **0.3mm**, Temper: Annealed, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

- NI110450** Thickness: **0.5mm**, Temper: Annealed, Coil width 300 mm, Size: 25x25 mm to 300x300 mm
- NI110550** Thickness: **2.0mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm
- NI110590** Thickness: **4.0mm**, Size: 30x180 mm to 300x300 mm



Mesh

- NI118710** Nominal Aperture: **0.38mm**, Wire diameter: 0.25mm, Wires/inch: 40x40, Open area: 37%, Type: Plain weave mesh, Size: 100x100 mm to 300x300 mm



Wire

- NI115110** Diameter: **0.125mm**, Temper: As drawn
- NI115120** Diameter: **0.25mm**, Temper: As drawn
- NI115130** Diameter: **0.5mm**, Temper: As drawn
- NI115140** Diameter: **1.0mm**, Temper: As drawn
- NI115325** Diameter: **1.0mm**, Temper: Annealed, Condition: Straight wire
- NI115150** Diameter: **1.5mm**, Temper: As drawn



Rod

- NI117905** Diameter: **3.0mm**, Temper: Annealed, Length: 100 mm to 1000 mm
- NI117910** Diameter: **6.35mm**, Temper: As drawn, Length: 100 mm to 1000 mm
- NI117920** Diameter: **12.7mm**, Temper: As drawn, Length: 100 mm to 1000 mm
- NI117931** Diameter: **20mm**, Temper: Annealed, Length: 100 mm to 1000 mm
- NI117960** Diameter: **40mm**, Temper: Annealed, Length: 50 mm to 200 mm



Tube

- NI117105** Outside Diameter: **0.5mm**, Wall Thickness: 0.146mm, Inside Diameter: 0.208mm, Temper: As drawn, Length: 100 mm to 1000 mm
- NI117100** Outside Diameter: **0.6mm**, Wall Thickness: 0.1mm, Inside Diameter: 0.4mm, Temper: As drawn, Length: 100 mm to 1000 mm
- NI117150** Outside Diameter: **0.8mm**, Wall Thickness: 0.1mm, Inside Diameter: 0.6mm, Temper: As drawn, Length: 100 mm to 1000 mm
- NI117200** Outside Diameter: **1.27mm**, Wall Thickness: 0.25mm, Inside Diameter: 0.77mm, Temper: As drawn, Length: 100 mm to 1000 mm
- NI117250** Outside Diameter: **1.5mm**, Wall Thickness: 0.25mm, Inside Diameter: 1mm, Temper: As drawn, Length: 100 mm to 1000 mm
- NI117300** Outside Diameter: **1.9mm**, Wall Thickness: 0.275mm, Inside Diameter: 1.35mm, Temper: As drawn, Length: 100 mm to 1000 mm
- NI117320** Outside Diameter: **2.0mm**, Wall Thickness: 0.175mm, Inside Diameter: 1.65mm, Temper: As drawn, Length: 100 mm to 1000 mm
- NI117350** Outside Diameter: **2.2mm**, Wall Thickness: 0.35mm, Inside Diameter: 1.5mm, Temper: As drawn, Length: 100 mm to 1000 mm
- NI117400** Outside Diameter: **2.5mm**, Wall Thickness: 0.18mm, Inside Diameter: 2.14mm, Temper: As drawn, Length: 100 mm to 1000 mm
- NI117410** Outside Diameter: **2.57mm**, Wall Thickness: 0.15mm, Inside Diameter: 2.27mm, Temper: As drawn, Length: 100 mm to 1000 mm

Alloys

NI117450 Outside Diameter: **2.8mm**, Wall Thickness: 0.35mm, Inside Diameter: 2.1mm, Temper: As drawn, Length: 100 mm to 1000 mm

NI117500 Outside Diameter: **3.175mm**, Wall Thickness: 0.2mm, Inside Diameter: 2.775mm, Temper: As drawn, Length: 100 mm to 1000 mm

NI117600 Outside Diameter: **6.35mm**, Wall Thickness: 1.5mm, Inside Diameter: 3.35mm, Temper: As drawn, Length: 100 mm to 1000 mm

NI117620 Outside Diameter: **7.1mm**, Wall Thickness: 0.27mm, Inside Diameter: 6.56mm, Temper: Hard, Length: 100 mm to 1000 mm

NI117700 Outside Diameter: **19.0mm**, Wall Thickness: 1.22mm, Inside Diameter: 16.56mm, Temper: As drawn, Length: 100 mm to 1000 mm

NI117800 Outside Diameter: **42.2mm**, Wall Thickness: 2.77mm, Inside Diameter: 36.66mm, Length: 100 mm to 500 mm

Hastelloy® B-3

(Ni65/Mo28.5/Cr 1.5/Fe 1.5/(Co + Mn + W) 3.5max)



Wire

NK255150 Diameter: **0.5mm**, Temper: Annealed



Rod

NK257910 Diameter: **5.5mm**, Temper: Annealed, Length: 100 mm to 1000 mm

Hastelloy® B-2

(Ni68/Mo28/Fe 2/Cr 1/Co 1)



Rod

NK247920 Diameter: **16mm**, Temper: Annealed, Length: 50 mm to 200 mm

Nickel/Chromium (Ni70/Cr30)



Wire

NE025140 Diameter: **0.25mm**, Temper: Annealed

Nickel/Copper (Ni70/Cu30)



Powder

NI076011 Max. Particle size: **150micron**, Purity: 98%, Condition: Atomized

Nickel/Iron (Ni70/Fe30)



Wire

NJ125130 Diameter: **0.03mm**, Temper: Annealed



Insulated Wire

NJ125825 Conductor diameter: **0.025mm**, Insulation thickness: 0.0035mm, Insulation: Polyimide

Nickel/Titanium (Ni70/Ti30)



Powder

NJ066011 Max. Particle size: **150micron**

Nickel/Zirconium (Ni70/Zr30)



Powder

NJ096010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Inconel® alloy 600 - Heat Resisting Alloy (Ni72/Cr16/Fe 8)

INCONEL® alloy 600



Foil

NI020203 Thickness: **0.0125mm**, Temper: Annealed, Coil width 312 mm, Size: 150x150 mm to 300x300 mm

NI020201 Thickness: **0.025mm**, Temper: Hard, Size: 25x25 mm to 50x50 mm

NI020202 Thickness: **0.025mm**, Temper: Annealed, Coil width 305 mm, Size: 150x150 mm to 300x300 mm

NI020204 Thickness: **0.05mm**, Temper: Annealed, Coil width 305 mm, Size: 150x150 mm to 300x300 mm

NI020200 Thickness: **0.075mm**, Temper: Annealed, Coil width 289 mm, Size: 25x25 mm to 280x280 mm

NI020206 Thickness: **0.1mm**, Coil width: 76mm, Temper: Annealed, Length: 0.5 m to 10 m

NI020205 Thickness: **0.1mm**, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

NI020210 Thickness: **0.2mm**, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm

NI020401 Thickness: **0.5mm**, Surface treatment: Titanium Nitride coating 2-3 microns, Size: 25x25 mm to 100x100 mm

NI020400 Thickness: **0.5mm**, Temper: Annealed, Coil width 305 mm, Size: 50x50 mm to 300x300 mm

NI020450 Thickness: **0.635mm**, Temper: Annealed, Size: 25x25 mm to 300x300 mm

NI020520 Thickness: **1.0mm**, Temper: Annealed, Size: 25x25 mm to 300x300 mm

NI020550 Thickness: **2.0mm**, Temper: Annealed, Size: 25x25 mm to 300x300 mm

NI020560 Thickness: **3.0mm**, Temper: Annealed, Size: 50x50 mm to 200x200 mm

NI020575 Thickness: **5.0mm**, Size: 150x150 mm

NI020600 Thickness: **8.0mm**, Size: 50x100 mm to 150x150 mm

NI020650 Thickness: **12mm**, Size: 101x102 mm to 210x210 mm



Wire

NI025100 Diameter: **0.05mm**, Temper: Hard

NI025110 Diameter: **0.10mm**, Temper: Hard

NI025125 Diameter: **0.20mm**, Temper: Hard

NI025130 Diameter: **0.25mm**, Temper: Hard

NI025133 Diameter: **0.30mm**, Temper: Hard

NI025136 Diameter: **0.40mm**, Temper: Hard

NI025137 Diameter: **0.40mm**, Temper: Annealed

NI025140 Diameter: **0.5mm**, Temper: Hard

NI025143 Diameter: **0.60mm**, Temper: Hard

NI025150 Diameter: **1.0mm**, Temper: Hard



Rod

NI027902 Diameter: **2.0mm**, Temper: Annealed, Length: 100 mm to 1000 mm

NI027903 Diameter: **2.5mm**, Temper: Annealed, Condition: Centerless ground, Length: 100 mm to 1000 mm

NI027905 Diameter: **3.2mm**, Temper: Annealed, Length: 100 mm to 1000 mm

Alloys

- NI027910** Diameter: **6.0mm**, Temper: Annealed, Length: 100 mm to 1000 mm
- NI027920** Diameter: **12.7mm**, Temper: Annealed, Length: 100 mm to 1000 mm
- NI027930** Diameter: **20.0mm**, Temper: Annealed, Length: 50 mm to 1000 mm
- NI027935** Diameter: **25mm**, Temper: Annealed, Length: 50 mm to 1000 mm
- NI027940** Diameter: **40mm**, Temper: Annealed, Length: 50 mm to 200 mm



Tube

- NI027100** Outside Diameter: **1.0mm**, Wall Thickness: 0.3mm, Inside Diameter: 0.4mm, Temper: As drawn, Length: 100 mm to 1000 mm
- NI027130** Outside Diameter: **1.33mm**, Wall Thickness: 0.25mm, Inside Diameter: 0.83mm, Length: 100 mm
- NI027150** Outside Diameter: **1.5mm**, Wall Thickness: 0.25mm, Inside Diameter: 1mm, Length: 100 mm to 1000 mm
- NI027200** Outside Diameter: **1.96mm**, Wall Thickness: 0.37mm, Inside Diameter: 1.22mm, Length: 100 mm to 1000 mm
- NI027225** Outside Diameter: **2.5mm**, Wall Thickness: 0.25mm, Inside Diameter: 2.0mm, Length: 100 mm to 1000 mm
- NI027230** Outside Diameter: **3.02mm**, Wall Thickness: 0.26mm, Inside Diameter: 2.5mm, Length: 100 mm to 1000 mm
- NI027351** Outside Diameter: **6.0mm**, Wall Thickness: 1mm, Inside Diameter: 4.0mm, Temper: Annealed, Length: 100 mm to 1000 mm
- NI027350** Outside Diameter: **6.15mm**, Wall Thickness: 0.5mm, Inside Diameter: 5.15mm, Temper: Annealed, Length: 100 mm to 1000 mm
- NI027400** Outside Diameter: **7.5mm**, Wall Thickness: 0.7mm, Inside Diameter: 6.1mm, Temper: Annealed, Length: 100 mm to 980 mm
- NI027410** Outside Diameter: **7.8mm**, Wall Thickness: 0.65mm, Inside Diameter: 6.5mm, Temper: Annealed, Length: 35 mm
- NI027450** Outside Diameter: **9.5mm**, Wall Thickness: 1.7mm, Inside Diameter: 6.1mm, Temper: Annealed, Length: 100 mm to 1000 mm
- NI027500** Outside Diameter: **12.7mm**, Wall Thickness: 1.63mm, Inside Diameter: 9.44mm, Temper: Annealed, Length: 100 mm to 1000 mm
- NI027600** Outside Diameter: **19.0mm**, Wall Thickness: 3.25mm, Inside Diameter: 12.5mm, Temper: Annealed, Length: 200 mm
- NI027660** Outside Diameter: **25.4mm**, Wall Thickness: 3.25mm, Inside Diameter: 18.9mm, Temper: Annealed, Length: 100 mm to 1000 mm
- NI027661** Outside Diameter: **25.4mm**, Wall Thickness: 1.65mm, Inside Diameter: 22.1mm, Temper: Annealed, Length: 100 mm to 1000 mm

Inconel® X750 - Heat Resisting Alloy (Ni74/Cr15/Fe 7/Ti/Al/Nb)

INCONEL® X



Foil

- NI160220** Thickness: **0.028mm**, Temper: As rolled, Coil width 229 mm, Size: 25x25 mm to 200x200 mm
- NI160250** Thickness: **0.075mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm

- NI160251** Thickness: **0.075mm**, Temper: Annealed, Coil width 305 mm, Size: 25x25 mm to 300x300 mm
- NI160270** Thickness: **0.25mm**, Temper: Annealed, Coil width 305 mm, Size: 50x50 mm to 300x300 mm
- NI160500** Thickness: **1.0mm**, Temper: Annealed, Size: 50x50 mm to 150x150 mm



Wire

- NI165120** Diameter: **0.25mm**, Temper: Annealed
- NI165130** Diameter: **0.5mm**, Temper: Annealed
- NI165140** Diameter: **1.0mm**, Temper: Annealed

Evanohm® - Precision Resistance Alloy (Ni75/Cr20/Al 2.5/Cu 2.5)



Foil

- NI170210** Thickness: **0.0025mm**, Temper: As rolled, Coil width 103 mm, Size: 25x25 mm to 100x100 mm
- NI170250** Thickness: **0.02mm**, Temper: Annealed, Coil width 100 mm, Size: 25x25 mm to 100x100 mm
- NI170275** Thickness: **0.025mm**, Temper: Annealed, Coil width 100 mm, Size: 25x25 mm to 100x100 mm
- NI170300** Thickness: **0.05mm**, Temper: Annealed, Coil width 111 mm, Size: 25x25 mm to 100x100 mm

Nickel/Manganese (Ni75/Mn25)



Powder

- NI256045** Max. Particle size: **45micron**, Condition: Atomized

Magnetic Shielding Alloy (Ni77/Fe14/Cu 5/Mo 4)

Permalloy C®



Foil

- NI030200** Thickness: **0.0027mm**, Size: 25x25 mm to 50x100 mm
- NI030230** Thickness: **0.0125mm**, Coil width 100 mm, Size: 25x25 mm to 100x100 mm
- NI030240** Thickness: **0.025mm**, Coil width 100 mm, Size: 25x25 mm to 100x100 mm
- NI030245** Thickness: **0.032mm**, Size: 50x110 mm
- NI030250** Thickness: **0.05mm**, Coil width 150 mm, Size: 25x25 mm to 150x300 mm
- NI030260** Thickness: **0.1mm**, Temper: Annealed, Coil width 200 mm, Size: 50x50 mm to 200x200 mm
- NI030271** Thickness: **0.125mm**, Temper: Annealed, Coil width 150 mm, Size: 50x50 mm to 150x150 mm
- NI030275** Thickness: **0.15mm**, Temper: Annealed, Coil width 185 mm, Size: 60x60 mm to 185x185 mm
- NI030290** Thickness: **0.25mm**, Temper: Annealed, Coil width 150 mm, Size: 50x50 mm to 150x150 mm



Rod

- NI037910** Diameter: **6.35mm**, Length: 100 mm to 1000 mm
- NI037920** Diameter: **12.0mm**, Length: 100 mm to 1000 mm
- NI037960** Diameter: **76.2mm**, Length: 10 mm to 25 mm



Tube

- NI037300** Outside Diameter: **4.5mm**, Wall Thickness: 0.07mm, Inside Diameter: 4.36mm, Temper: As drawn, Length: 650 mm

Alloys

NI037301 Outside Diameter: **4.5mm**, Wall Thickness: 0.07mm, Inside Diameter: 4.36mm, Temper: As drawn, Length: 12.7 mm

NI037450 Outside Diameter: **8.175mm**, Wall Thickness: 0.07mm, Inside Diameter: 8.035mm, Temper: As drawn, Length: 795 mm



Powder

NI036010 Max. Particle size: **45micron**

Nickel/Aluminum (Ni79/Al21)



Powder

NI226010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Nickel/Chromium (Ni80/Cr20)

Nichrome V[®], Tophet A[®]



Microfoil

NI054700 Thinness: **0.5µm**, Specific density: 420µg.cm⁻², Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm



Foil

NI050200 Thickness: **0.005mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm

NI050221 Thickness: **0.025mm**, Temper: Annealed, Size: 25x25 mm to 100x100 mm

NI050220 Thickness: **0.025mm**, Temper: As rolled, Coil width 200 mm, Size: 25x25 mm to 150x150 mm

NI050223 Thickness: **0.030mm**, Coil width: 7.5mm, Temper: As rolled, Length: 1 m

NI050225 Thickness: **0.05mm**, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

NI050231 Thickness: **0.075mm**, Coil width: 2mm, Temper: Annealed, Length: 1 m to 20 m

NI050236 Thickness: **0.10mm**, Coil width: 10mm, Temper: As rolled, Length: 1 m to 20 m

NI050237 Thickness: **0.10mm**, Coil width: 25.4mm, Temper: As rolled, Length: 0.5 m to 10 m

NI050235 Thickness: **0.10mm**, Temper: As rolled, Coil width 200 mm, Size: 25x25 mm to 200x200 mm

NI050240 Thickness: **0.125mm**, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x300 mm

NI050270 Thickness: **0.18mm**, Temper: As rolled, Coil width 185 mm, Size: 25x25 mm to 150x150 mm

NI050274 Thickness: **0.20mm**, Coil width: 1mm, Temper: Annealed, Length: 1 m to 20 m

NI050280 Thickness: **0.25mm**, Temper: As rolled, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

NI050300 Thickness: **0.4mm**, Temper: As rolled, Coil width 100 mm, Size: 50x50 mm to 100x100 mm

NI050311 Thickness: **0.50mm**, Coil width: 2.5mm, Temper: As drawn, Length: 1 m to 20 m

NI050310 Thickness: **0.50mm**, Coil width: 2.5mm, Temper: Annealed, Length: 1 m to 20 m

NI050320 Thickness: **0.50mm**, Temper: As rolled, Coil width 230 mm, Size: 25x25 mm to 200x200 mm



Sheet

NI053150 Thickness: **1.0mm**, Temper: Annealed, Size: 100x100 mm to 200x200 mm

NI053200 Thickness: **1.6mm**, Temper: Annealed, Size: 100x100 mm to 200x200 mm

NI053250 Thickness: **3.0mm**, Temper: Annealed, Size: 100x100 mm to 200x200 mm

NI053400 Thickness: **6.35mm**, Temper: Annealed, Size: 100x100 mm



Sputtering Target

NI059300 Thickness: **3.0mm**, Size: 50.8 mm to 75 mm



Wire

NI055076 Diameter: **0.0076mm**, Temper: As drawn

NI055100 Diameter: **0.01mm**, Temper: As drawn

NI055101 Diameter: **0.0125mm**, Temper: As drawn

NI055102 Diameter: **0.015mm**, Temper: As drawn

NI055105 Diameter: **0.020mm**, Temper: As drawn

NI055110 Diameter: **0.025mm**, Temper: Hard

NI055111 Diameter: **0.035mm**, Temper: Annealed

NI055114 Diameter: **0.04mm**, Temper: Annealed

NI055113 Diameter: **0.045mm**, Temper: Annealed

NI055115 Diameter: **0.05mm**, Temper: Hard

NI055112 Diameter: **0.06mm**, Temper: Annealed

NI055116 Diameter: **0.07mm**, Temper: Annealed

NI055117 Diameter: **0.08mm**, Temper: Annealed

NI055118 Diameter: **0.10mm**, Temper: Annealed

NI055120 Diameter: **0.125mm**, Temper: Hard

NI055125 Diameter: **0.15mm**, Temper: Annealed

NI055130 Diameter: **0.25mm**, Temper: Hard

NI055131 Diameter: **0.25mm**, Temper: Annealed

NI055135 Diameter: **0.30mm**, Temper: Annealed

NI055140 Diameter: **0.5mm**, Temper: Hard

NI055141 Diameter: **0.5mm**, Temper: Annealed

NI055145 Diameter: **0.75mm**, Temper: Annealed

NI055150 Diameter: **1.0mm**, Temper: Hard

NI055151 Diameter: **1.0mm**, Temper: Annealed

NI055160 Diameter: **2.0mm**, Temper: Hard



Insulated Wire

NI055820 Conductor diameter: **0.0125mm**, Insulation thickness: 0.003mm, Insulation: Polyimide

NI055850 Conductor diameter: **0.025mm**, Insulation thickness: 0.004mm, Insulation: Epoxy

NI055840 Conductor diameter: **0.025mm**, Insulation thickness: 0.004mm, Insulation: Polyimide

NI055880 Conductor diameter: **0.125mm**, Insulation thickness: 0.008mm, Insulation: Polyimide

NI055890 Conductor diameter: **0.25mm**, Insulation thickness: 0.025mm, Insulation: Polyimide

NI055892 Conductor diameter: **0.30mm**, Insulation thickness: 0.030mm, Insulation: Polyimide



Rod

NI057910 Diameter: **3.0mm**, Length: 100 mm to 1000 mm

NI057915 Diameter: **4.0mm**, Length: 100 mm to 1000 mm

NI057917 Diameter: **5.0mm**, Temper: Annealed, Length: 100 mm to 1000 mm

NI057919 Diameter: **6.0mm**, Temper: Annealed, Length: 100 mm to 1000 mm

NI057920 Diameter: **6.3mm**, Length: 100 mm to 1000 mm

NI057930 Diameter: **9.0mm**, Length: 100 mm to 1000 mm

Alloys

- NI057933** Diameter: **9.7mm**, Length: 328 mm
NI057950 Diameter: **12.0mm**, Length: 100 mm to 1000 mm
NI057960 Diameter: **19.0mm**, Length: 100 mm to 200 mm
NI057961 Diameter: **20.0mm**, Length: 100 mm to 1000 mm



Tube

- NI057050** Outside Diameter: **0.56mm**, Wall Thickness: 0.025mm, Inside Diameter: 0.51mm, Length: 100 mm to 1000 mm
NI057130 Outside Diameter: **1.3mm**, Wall Thickness: 0.25mm, Inside Diameter: 0.8mm, Length: 100 mm to 1000 mm
NI057250 Outside Diameter: **2.5mm**, Wall Thickness: 0.25mm, Inside Diameter: 2.0mm, Length: 100 mm to 1000 mm
NI057301 Outside Diameter: **3.0mm**, Wall Thickness: 0.25mm, Inside Diameter: 2.5mm, Length: 100 mm to 1000 mm



Powder

- NI056020** Max. Particle size: **75micron**



Lump

- NI056100** Max. Lump size: **10mm**, Condition: Pellets

High Permeability Magnetic Alloy (Ni80/Fe15/Mo 5)



Foil

- NI180210** Thickness: **0.0075mm**, Size: 25x25 mm to 100x100 mm
NI180220 Thickness: **0.012mm**, Size: 25x25 mm to 100x100 mm

Nickel/Iron/Molybdenum (Ni80/Fe15.5/Mo 4.5)



Foil

- NJ270350** Thickness: **0.5mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm
NJ270400 Thickness: **1.0mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm
NJ270500 Thickness: **2.0mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm
NJ270550 Thickness: **3.0mm**, Temper: Annealed, Size: 76x76 mm to 150x150 mm
NJ270600 Thickness: **3.5mm**, Temper: Annealed, Size: 76x76 mm to 150x150 mm



Sheet

- NJ273200** Thickness: **15mm**, Size: 108x108 mm



Sputtering Target

- NJ279300** Thickness: **3mm**, Size: 50.8 mm



Wire

- NJ275140** Diameter: **0.5mm**, Temper: As drawn
NJ275150 Diameter: **1.0mm**, Temper: As drawn



Rod

- NJ277905** Diameter: **2.0mm**, Temper: As drawn, Length: 100 mm to 1000 mm
NJ277910 Diameter: **3.2mm**, Temper: As drawn, Length: 100 mm to 1000 mm

- NJ277920** Diameter: **5.0mm**, Temper: As drawn, Length: 100 mm to 1000 mm

- NJ277950** Diameter: **25mm**, Temper: Annealed, Length: 50 mm to 200 mm



Tube

- NJ277600** Outside Diameter: **15mm**, Wall Thickness: 0.4mm, Inside Diameter: 14.2mm, Temper: As drawn, Length: 100 mm to 1000 mm



Lump

- NJ276100** Max. Lump size: **10mm**, Condition: Pellets

Nickel/Iron (Ni80/Fe20)



Foil

- NI290400** Thickness: **1.0mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm
NI290450 Thickness: **3.0mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm



Sputtering Target

- NI299100** Thickness: **1.0mm**, Size: 50 mm
NI299300 Thickness: **3mm**, Size: 50.8 mm to 76.2 mm



Wire

- NI295130** Diameter: **0.25mm**, Temper: As drawn
NI295140 Diameter: **0.5mm**, Temper: As drawn
NI295150 Diameter: **1.0mm**, Temper: As drawn



Rod

- NI297910** Diameter: **2.0mm**, Temper: As drawn, Length: 100 mm to 1000 mm
NI297920 Diameter: **5.0mm**, Temper: As drawn, Length: 100 mm to 1000 mm
NI297930 Diameter: **10.0mm**, Temper: As drawn, Length: 100 mm to 1000 mm



Lump

- NI296100** Max. Lump size: **5mm**
NI296101 Max. Lump size: **5mm**, Condition: Pellets

Nickel/Molybdenum (Ni80/Mo20)



Powder

- NJ026010** Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Nickel/Iron (Ni81/Fe19)



Powder

- NJ016020** Max. Particle size: **45micron**, Condition: Atomized

Nickel/Molybdenum (Ni84/Mo16)



Powder

- NJ046010** Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

Nickel/Boron (Ni85/B 15)



Powder

- NI266011** Max. Particle size: **150micron**
NI266010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Alloys

T1 - Thermocouple Alloy (Ni90/Cr10)

Chromel® (Hoskins Manufacturing Company)



Microfoil

NI094850 Thickness: **1µm**, Specific density: 850µg.cm⁻², Support: Permanent Mylar 3.5µm, Diameter: 10 mm to 25 mm



Foil

NI090260 Thickness: **0.25mm**, Coil width: 100mm, Temper: Annealed, Length: 0.1 m to 2 m

NI090280 Thickness: **0.50mm**, Coil width: 100mm, Temper: Annealed, Length: 0.1 m to 1 m

NI090300 Thickness: **0.60mm**, Coil width: 38mm, Temper: Annealed, Length: 0.2 m to 5 m



Sputtering Target

NI099300 Thickness: **3.0mm**, Size: 50.8 mm to 76.2 mm



Wire

NI095105 Diameter: **0.0075mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

NI095108 Diameter: **0.01mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

NI095110 Diameter: **0.025mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

NI095120 Diameter: **0.05mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

NI095130 Diameter: **0.125mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

NI095140 Diameter: **0.25mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

NI095150 Diameter: **0.5mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

NI095160 Diameter: **1.0mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple



Insulated Wire

NI095810 Conductor diameter: **0.025mm**, Insulation thickness: 0.002mm, Insulation: Polyester, Thermocouple wire: May be used as one component of a Thermocouple

NI095815 Conductor diameter: **0.025mm**, Insulation thickness: 0.004mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple

NI095820 Conductor diameter: **0.05mm**, Insulation thickness: 0.002mm, Insulation: Polyester, Thermocouple wire: May be used as one component of a Thermocouple

NI095825 Conductor diameter: **0.05mm**, Insulation thickness: 0.003mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple

NI095821 Conductor diameter: **0.05mm**, Insulation thickness: 0.005mm, Insulation: Polyurethane, Thermocouple wire: May be used as one component of a Thermocouple

NI095830 Conductor diameter: **0.08mm**, Insulation thickness: 0.007mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple

NI095845 Conductor diameter: **0.125mm**, Insulation thickness: 0.008mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple

NI095840 Conductor diameter: **0.125mm**, Insulation thickness: 0.015mm, Insulation: Polyester, Thermocouple wire: May be used as one component of a Thermocouple

NI095850 Conductor diameter: **0.25mm**, Insulation thickness: 0.018mm, Insulation: Polyester, Thermocouple wire: May be used as one component of a Thermocouple

NI095855 Conductor diameter: **0.25mm**, Insulation thickness: 0.04mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple



Rod

NI097905 Diameter: **2.0mm**, Temper: Annealed, Length: 100 mm to 1000 mm

NI097920 Diameter: **6mm**, Temper: As drawn, Length: 100 mm to 1000 mm

NI097925 Diameter: **9mm**, Temper: As drawn, Length: 100 mm to 1000 mm

NI097930 Diameter: **12mm**, Temper: As drawn, Length: 100 mm to 1000 mm

Nickel/Iron (Ni90/Fe10)



Wire

NJ235140 Diameter: **0.5mm**, Temper: As drawn

Nickel/Titanium (Ni90/Ti10)



Powder

NJ086010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Nickel/Manganese (Ni92/Mn 8)



Powder

NK246010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Nickel/Vanadium (Ni93/V 7)



Sputtering Target

NK209300 Thickness: **3.0mm**, Size: 25.4 mm to 76.2 mm



Lump

NK206100 Max. Lump size: **10mm**, Condition: Pellets

Alloys

T2 - Thermocouple Alloy (Ni95/(Al + Mn + Si) 5)

Alumel® (Hoskins Manufacturing Company)



Foil

- NI100260** Thickness: **0.25mm**, Coil width: 100mm, Temper: Annealed, Length: 0.1 m to 2 m
- NI100280** Thickness: **0.50mm**, Coil width: 100mm, Temper: Annealed, Length: 0.1 m to 1 m
- NI100300** Thickness: **0.6mm**, Coil width: 38mm, Temper: Annealed, Length: 0.2 m to 5 m



Sputtering Target

- NI109300** Thickness: **3.0mm**, Size: 50.8 mm



Wire

- NI105105** Diameter: **0.0075mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- NI105108** Diameter: **0.01mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- NI105110** Diameter: **0.025mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- NI105120** Diameter: **0.05mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- NI105130** Diameter: **0.125mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- NI105140** Diameter: **0.25mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- NI105150** Diameter: **0.5mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple
- NI105160** Diameter: **1.0mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple



Insulated Wire

- NI105810** Conductor diameter: **0.025mm**, Insulation thickness: 0.002mm, Insulation: Polyester, Thermocouple wire: May be used as one component of a Thermocouple
- NI105815** Conductor diameter: **0.025mm**, Insulation thickness: 0.004mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple
- NI105820** Conductor diameter: **0.05mm**, Insulation thickness: 0.002mm, Insulation: Polyester, Thermocouple wire: May be used as one component of a Thermocouple
- NI105825** Conductor diameter: **0.05mm**, Insulation thickness: 0.003mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple

- NI105830** Conductor diameter: **0.08mm**, Insulation thickness: 0.007mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple

- NI105840** Conductor diameter: **0.125mm**, Insulation thickness: 0.004mm, Insulation: Polyester, Thermocouple wire: May be used as one component of a Thermocouple

- NI105845** Conductor diameter: **0.125mm**, Insulation thickness: 0.008mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple

- NI105850** Conductor diameter: **0.25mm**, Insulation thickness: 0.004mm, Insulation: Polyester, Thermocouple wire: May be used as one component of a Thermocouple

- NI105855** Conductor diameter: **0.25mm**, Insulation thickness: 0.04mm, Insulation: Polyimide, Thermocouple wire: May be used as one component of a Thermocouple



Rod

- NI107905** Diameter: **2.0mm**, Temper: Annealed, Length: 100 mm to 1000 mm
- NI107920** Diameter: **6mm**, Temper: As drawn, Length: 100 mm to 1000 mm
- NI107925** Diameter: **9mm**, Temper: As drawn, Length: 100 mm to 1000 mm
- NI107930** Diameter: **12mm**, Temper: As drawn, Length: 100 mm to 1000 mm

Nickel/Cobalt (Ni97/Co 3)



Powder

- NE296011** Mean Particle size: **50micron**, Condition: Gas atomized, Condition: Spherical
- NE296010** Max. Particle size: **150micron**, Condition: Gas atomized, Condition: Spherical

Nickel/Beryllium/Titanium (Ni97.5/Be 1.95/Ti 0.5)



Foil

- NI080200** Thickness: **0.01mm**, Coil width 75 mm, Size: 25x25 mm to 50x50 mm
- NI080250** Thickness: **0.2mm**, Coil width 100 mm, Size: 50x50 mm to 100x100 mm

OFHC Copper (OFHC)



Foil

- CU210560** Thickness: **0.1mm**, Temper: Half hard, Size: 25x25 mm to 50x50 mm

Lead/Tin (Pb75/Sn25)



Wire

- PB035138** Diameter: **0.9mm**, Temper: As drawn
- PB035140** Diameter: **1mm**, Temper: As drawn

Alloys

Lead/Bismuth (Pb90/Bi10 (Atomic %))



Foil

PB090300 Thickness: **1.0mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm

Antimonial Lead (Pb95/Sb 5)



Powder

PB126010 Max. Particle size: **250micron**, Min. Particle size: 150micron

Antimonial Lead (Pb96/Sb 4)



Foil

PB020400 Thickness: **2.0mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm

Lead/Selenium (Pb99/Se 1)



Granule

PB106300 Nominal Granule Size: **5mm**, Condition: Alloy Pre-cursor

Palladium/Copper (Pd60/Cu40)



Foil

PD120220 Thickness: **0.025mm**, Size: 25x25 mm to 50x50 mm

PD120300 Thickness: **0.5mm**, Size: 25x25 mm to 50x50 mm

Palladium/Silver (Pd70/Ag30)



Foil

PD070240 Thickness: **0.15mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm

Palladium/Silver (Pd75/Ag25)



Foil

PD030210 Thickness: **0.01mm**, Size: 25x25 mm to 50x50 mm

PD030350 Thickness: **0.25mm**, Size: 25x25 mm to 100x100 mm



Wire

PD035160 Diameter: **1.0mm**, Temper: As drawn



Tube

PD037200 Outside Diameter: **1.0mm**, Wall Thickness: 0.1mm, Inside Diameter: 0.8mm, Temper: As drawn, Length: 100 mm to 500 mm

PD037400 Outside Diameter: **4.7mm**, Wall Thickness: 0.25mm, Inside Diameter: 4.2mm, Temper: As drawn, Length: 50 mm to 200 mm

PD037500 Outside Diameter: **6.25mm**, Wall Thickness: 0.1mm, Inside Diameter: 6.05mm, Temper: As drawn, Length: 50 mm to 200 mm

Palladium/Silver (Pd77/Ag23)



Foil

PD270250 Thickness: **0.125mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm

PD270300 Thickness: **0.25mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm

Palladium/Chromium (Pd94/Cr 6)



Foil

PJ010240 Thickness: **0.08mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm

PJ010300 Thickness: **0.5mm**, Temper: As rolled, Size: 15x15 mm to 60x60 mm

Palladium/Nickel (Pd95/Ni 5)



Mesh

PJ088710 Nominal Aperture: **0.20mm**, Wire diameter: 0.076mm, Wires/inch: 92, Open area: 52.5%, Type: Plain weave mesh, Size: 20x20 mm to 100x100 mm

Platinum/Rhodium (Pt60/Rh40)



Foil

PT280240 Thickness: **0.125mm**, Temper: As rolled, Size: 25x25 mm



Wire

PT285130 Diameter: **0.125mm**, Temper: As drawn

PT285140 Diameter: **0.25mm**, Temper: As drawn

PT285150 Diameter: **0.5mm**, Temper: As drawn

PT285155 Diameter: **0.8mm**, Temper: As drawn

PT285160 Diameter: **1.0mm**, Temper: As drawn

Platinum/Iridium (Pt70/Ir30)



Foil

PT050250 Thickness: **0.125mm**, Size: 25x25 mm to 100x100 mm



Wire

PT055121 Diameter: **0.05mm**, Temper: As drawn

PT055140 Diameter: **0.25mm**, Temper: As drawn

PT055150 Diameter: **0.5mm**, Temper: As drawn

PT055160 Diameter: **1.0mm**, Temper: As drawn

Platinum/Rhodium (Pt70/Rh30)



Wire

PT065105 Diameter: **0.025mm**, Temper: As drawn

PT065110 Diameter: **0.10mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

PT065120 Diameter: **0.25mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

PT065130 Diameter: **0.5mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

PT065140 Diameter: **1.0mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

Platinum/Iridium (Pt75/Ir25)



Wire

PT235120 Diameter: **0.05mm**, Temper: Annealed

Alloys

PT235150 Diameter: **0.1mm**, Condition: Clad with 0.1mm thickness Platinum, Condition: Weight is for the 0.1mm diameter Pt75/Ir25 core only



Rod

PT237930 Diameter: **2.9mm**, Temper: As drawn, Length: 25 mm to 50 mm

Platinum/Iridium (Pt80/Ir20)



Foil

PT040225 Thickness: **0.01mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PT040230 Thickness: **0.0125mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PT040240 Thickness: **0.025mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PT040250 Thickness: **0.05mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PT040300 Thickness: **0.25mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm

PT040400 Thickness: **2.0mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm



Wire

PT045105 Diameter: **0.015mm**, Temper: Stress relieved

PT045110 Diameter: **0.1mm**, Temper: As drawn

PT045120 Diameter: **0.25mm**, Temper: As drawn

PT045128 Diameter: **0.34mm**, Temper: Annealed

PT045130 Diameter: **0.38mm**, Temper: As drawn

PT045140 Diameter: **0.50mm**, Temper: As drawn

PT045150 Diameter: **1.0mm**, Temper: As drawn



Rod

PT047913 Diameter: **1.3mm**, Temper: As drawn, Length: 25 mm to 200 mm

PT047918 Diameter: **1.8mm**, Temper: As drawn, Length: 10 mm to 50 mm

Platinum/Rhodium (Pt80/Rh20)



Wire

PC115130 Diameter: **0.25mm**

PC115140 Diameter: **0.5mm**

PC115150 Diameter: **1.0mm**

Platinum/Rhodium (Pt83/Rh17)



Wire

PT265150 Diameter: **0.5mm**, Temper: As drawn

Platinum/Iridium (Pt85/Ir15)



Wire

PC135160 Diameter: **1.0mm**, Temper: As drawn

Platinum/Rhodium (Pt87/Rh13)



Wire

PT035050 Diameter: **0.015mm**, Temper: Annealed

PT035100 Diameter: **0.025mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

PT035150 Diameter: **0.05mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

PT035200 Diameter: **0.125mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

PT035250 Diameter: **0.25mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

PT035300 Diameter: **0.5mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

PT035350 Diameter: **1.0mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

Platinum/Iridium (Pt90/Ir10)



Foil

PT020235 Thickness: **0.025mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PT020240 Thickness: **0.05mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PT020245 Thickness: **0.10mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PT020250 Thickness: **0.125mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PT020260 Thickness: **0.25mm**, Temper: As rolled, Size: 25x25 mm to 100x100 mm

PT020300 Thickness: **1.0mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm

PT020350 Thickness: **2.0mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm



Wire

PT025095 Diameter: **0.0125mm**, Temper: As drawn

PT025098 Diameter: **0.015mm**, Temper: As drawn

PT025100 Diameter: **0.025mm**, Temper: As drawn

PT025103 Diameter: **0.03mm**, Temper: As drawn

PT025110 Diameter: **0.05mm**, Temper: As drawn

PT025115 Diameter: **0.075mm**, Temper: As drawn

PT025120 Diameter: **0.1mm**, Temper: As drawn

PT025130 Diameter: **0.125mm**, Temper: As drawn

PT025135 Diameter: **0.15mm**, Temper: As drawn

PT025140 Diameter: **0.25mm**, Temper: As drawn

PT025141 Diameter: **0.25mm**, Temper: Annealed

PT025143 Diameter: **0.3mm**, Temper: As drawn

PT025145 Diameter: **0.38mm**, Temper: As drawn

PT025340 Diameter: **0.45mm**, Temper: As drawn, Condition: Straight wire

PT025150 Diameter: **0.5mm**, Temper: As drawn

PT025160 Diameter: **1.0mm**, Temper: As drawn



Insulated Wire

PT025825 Conductor diameter: **0.025mm**, Insulation thickness: 0.005mm, Purity: 99.999%, Insulation: PTFE (Polytetrafluoroethylene)

Alloys

PT025820 Conductor diameter: **0.025mm**, Insulation thickness: 0.008mm, Purity: 99.999%, Insulation: Polyester

PT025835 Conductor diameter: **0.05mm**, Insulation thickness: 0.009mm, Purity: 99.999%, Insulation: PTFE (Polytetrafluoroethylene)

PT025830 Conductor diameter: **0.05mm**, Insulation thickness: 0.023mm, Purity: 99.999%, Insulation: Polyester



Rod

PT027910 Diameter: **2.0mm**, Temper: As drawn, Length: 25 mm to 100 mm



Tube

PT027200 Outside Diameter: **0.56mm**, Wall Thickness: 0.13mm, Inside Diameter: 0.30mm, Temper: As drawn, Length: 50 mm to 200 mm

Platinum/Rhodium (Pt90/Rh10)



Foil

PT010250 Thickness: **0.125mm**, Size: 25x25 mm to 100x100 mm



Wire

PT015105 Diameter: **0.005mm**, Condition: Wollaston wire, Thermocouple wire: May be used as one component of a Thermocouple

PT015110 Diameter: **0.025mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

PT015120 Diameter: **0.05mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

PT015130 Diameter: **0.125mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

PT015135 Diameter: **0.20mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

PT015140 Diameter: **0.25mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

PT015145 Diameter: **0.30mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

PT015148 Diameter: **0.38mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

PT015150 Diameter: **0.5mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

PT015160 Diameter: **1.0mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple



Tube

PT017150 Outside Diameter: **0.94mm**, Wall Thickness: 0.12mm, Inside Diameter: 0.7mm, Temper: As drawn, Length: 50 mm to 100 mm

PT017180 Outside Diameter: **1.6mm**, Wall Thickness: 0.3mm, Inside Diameter: 1mm, Temper: As drawn, Length: 50 mm to 100 mm

PT017200 Outside Diameter: **2.0mm**, Wall Thickness: 0.4mm, Inside Diameter: 1.2mm, Temper: As drawn, Length: 50 mm to 100 mm

PT017240 Outside Diameter: **3.18mm**, Wall Thickness: 0.125mm, Inside Diameter: 2.93mm, Temper: As drawn, Length: 50 mm to 100 mm

Platinum/Tungsten (Pt92/W 8)



Wire

PT105120 Diameter: **0.025mm**, Temper: As drawn

PT105125 Diameter: **0.05mm**, Temper: As drawn

PT105150 Diameter: **0.5mm**, Temper: As drawn



Insulated Wire

PT105825 Conductor diameter: **0.025mm**, Insulation thickness: 0.007mm, Insulation: Polyimide

Platinum/Rhodium (Pt94/Rh 6)



Wire

PT075100 Diameter: **0.1mm**, Temper: Annealed

PT075120 Diameter: **0.25mm**, Temper: Annealed

PT075130 Diameter: **0.50mm**, Temper: Annealed

PT075140 Diameter: **1.0mm**, Temper: Annealed

Platinum/Iridium (Pt95/Ir 5)



Wire

PT245140 Diameter: **0.33mm**, Temper: As drawn

Silicon/Germanium (Si70/Ge30)



Lump

SI056100 Max. Lump size: **50mm**, Condition: Broken ingot

Tin/Lead (Sn50/Pb50)



Powder

SN076010 Max. Particle size: **75micron**, Condition: Spherical



Lump

SN076100 Max. Lump size: **100mm**

Tin/Lead/Antimony (Sn60/Pb39/Sb 1)



Foil

SN010200 Thickness: **0.006mm**, Size: 50x50 mm to 300x300 mm

SN010300 Thickness: **0.10mm**, Coil width 90 mm, Size: 20x25 mm to 90x200 mm

Tin/Lead (Sn60/Pb40)



Wire

SN255150 Diameter: **1mm**, Temper: As drawn

Tin/Lead/Silver (Sn62/Pb36/Ag2)



Foil

SA190300 Thickness: **0.5mm**, Temper: As rolled, Size: 15x15 mm to 30x30 mm

Alloys

Tin/Zinc (Sn75/Zn25)



Foil

SA200360 Thickness: **0.6mm**, Temper: As rolled, Size: 25x25 mm to 50x50 mm

Tin/Antimony (Sn95/Sb 5)



Powder

SA056010 Max. Particle size: **45micron**

SA056020 Max. Particle size: **250micron**

Tin/Silver (Sn96/Ag 4)



Wire

SN175120 Diameter: **0.27mm**, Temper: As drawn

SN175140 Diameter: **0.50mm**, Temper: As drawn

SN175150 Diameter: **1.0mm**, Temper: As drawn

SN175170 Diameter: **1.5mm**, Temper: As drawn

Tantalum/Tungsten (Ta90/W 10)



Foil

TA030450 Thickness: **0.075mm**, Temper: Annealed, Size: 25x25 mm to 75x75 mm

TA030460 Thickness: **0.1mm**, Temper: Annealed, Size: 50x50 mm to 100x100 mm

TA030462 Thickness: **0.125mm**, Temper: Annealed, Size: 50x50 mm to 100x100 mm

TA030468 Thickness: **0.20mm**, Temper: Annealed, Size: 50x50 mm to 100x100 mm

TA030470 Thickness: **0.25mm**, Temper: Annealed, Size: 50x50 mm to 100x100 mm

TA030471 Thickness: **0.25mm**, Temper: Annealed, Size: 150x150 mm to 300x300 mm

TA030480 Thickness: **0.40mm**, Temper: Annealed, Size: 50x50 mm to 100x100 mm

TA030490 Thickness: **0.50mm**, Temper: Annealed, Size: 50x50 mm to 100x100 mm

TA030491 Thickness: **0.50mm**, Temper: Annealed, Size: 150x150 mm to 300x300 mm

TA030500 Thickness: **1.0mm**, Temper: As rolled, Size: 50x50 mm to 100x100 mm



Rod

TA037905 Diameter: **1.5mm**, Temper: Annealed, Length: 100 mm to 1000 mm

TA037920 Diameter: **5.0mm**, Temper: Annealed, Length: 50 mm to 500 mm

TA037930 Diameter: **8.0mm**, Temper: Annealed, Length: 50 mm to 500 mm

TA037935 Diameter: **10.0mm**, Temper: Annealed, Length: 50 mm to 200 mm

Tantalum/Tungsten (Ta95/W 5)



Foil

TA090500 Thickness: **1.0mm**, Temper: As rolled, Size: 50x50 mm to 100x100 mm

Tantalum/Tungsten (Ta97.5/W 2.5)



Foil

TA070500 Thickness: **1.0mm**, Temper: As rolled, Size: 50x50 mm to 100x100 mm



Rod

TA077910 Diameter: **2.5mm**, Temper: As drawn, Length: 100 mm to 1000 mm

Titanium/Iron (Ti50/Fe50)



Powder

TI176010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Titanium/Aluminum (Ti65/Al35)



Powder

TI066010 Max. Particle size: **75micron**, Condition: Alloy Pre-cursor

Titanium/Vanadium/Chromium/Aluminum (Ti69/V 15/Cr13/Al 3)



Foil

TJ110350 Thickness: **0.038mm**, Temper: Annealed, Size: 25x25 mm to 100x100 mm

Titanium Bronze (Ti75/Cu25)



Powder

TI136010 Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

Titanium Alloy Beta 3 (Ti77.5/Mo12/Zr 6/Sn4.5)



Foil

TI050400 Thickness: **0.42mm**, Temper: Annealed, Condition: Precipitation hardenable, Coil width 150 mm, Size: 25x25 mm to 150x150 mm

Titanium/Aluminum (Ti78/Al22)



Powder

TI106010 Max. Particle size: **75micron**, Condition: Alloy Pre-cursor

Titanium/Molybdenum/Niobium/Aluminum/Silicon (Ti78.8/Mo15/Nb 3/Al 3/Si 0.2)



Foil

TJ140250 Thickness: **0.5mm**, Temper: As rolled, Size: 50x50 mm to 100x100 mm

Titanium/Chromium (Ti80/Cr20)



Powder

TI146010 Max. Particle size: **75micron**, Condition: Alloy Pre-cursor

Titanium/Molybdenum (Ti84/Mo16)



Powder

TI186010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Titanium/Molybdenum (Ti85/Mo15)



Wire

TI085150 Diameter: **1.0mm**, Temper: As drawn

Alloys



Rod

TI087920 Diameter: **2.0mm**, Temper: Annealed, Length: 100 mm to 1000 mm

Titanium/Aluminum (Ti88/Al12)



Powder

TI096010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Titanium/Aluminum/Vanadium (Ti90/Al 6/V 4)



Foil

TI010251 Thickness: **0.05mm**, Coil width: 120mm, Temper: Annealed, Length: 0.05 m to 0.5 m

TI010302 Thickness: **0.1mm**, Coil width: 220mm, Temper: Annealed, Length: 0.05 m to 0.5 m

TI010301 Thickness: **0.1mm**, Coil width: 12mm, Tolerance: 25 %, Temper: Annealed, Length: 0.2 m to 2 m

TI010300 Thickness: **0.1mm**, Tolerance: 25 %, Temper: Annealed, Size: 50x50 mm to 300x300 mm

TI010400 Thickness: **0.25mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm

TI010420 Thickness: **0.30mm**, Tolerance: 20 %, Temper: Annealed, Size: 25x25 mm to 300x300 mm

TI010440 Thickness: **0.40mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm

TI010450 Thickness: **0.52mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm

TI010460 Thickness: **0.6mm**, Temper: Annealed, Size: 50x50 mm to 300x300 mm

TI010470 Thickness: **0.7mm**, Temper: Annealed, Size: 50x50 mm to 150x150 mm

TI010480 Thickness: **0.8mm**, Temper: Annealed, Size: 50x50 mm to 150x150 mm

TI010501 Thickness: **1.0mm**, Temper: Annealed, Size: 23x120 mm to 23x308 mm

TI010500 Thickness: **1.0mm**, Temper: Annealed, Size: 25x25 mm to 150x150 mm

TI010550 Thickness: **2.0mm**, Temper: Annealed, Size: 100x100 mm to 150x150 mm

TI010560 Thickness: **3mm**, Temper: Annealed, Size: 150x150 mm

TI010561 Thickness: **3mm**, Temper: Annealed, Condition: Polished both sides, Diameter: 5 mm

TI010575 Thickness: **5mm**, Temper: Annealed, Size: 150x150 mm

TI010580 Thickness: **7mm**, Temper: Annealed, Size: 100x100 mm to 300x300 mm



Wire

TI015150 Diameter: **0.10mm**, Temper: Annealed

TI015250 Diameter: **0.25mm**, Temper: As drawn

TI015260 Diameter: **0.5mm**, Temper: Annealed

TI015280 Diameter: **1.0mm**, Temper: Annealed



Rod

TI017902 Diameter: **1.0mm**, Temper: Annealed, Condition: Cold drawn, Length: 100 mm to 1000 mm

TI017905 Diameter: **2.0mm**, Temper: Annealed, Condition: Cold drawn, Length: 200 mm to 1000 mm

TI017908 Diameter: **3.0mm**, Temper: Annealed, Length: 100 mm to 1000 mm

TI017910 Diameter: **5.0mm**, Temper: Annealed, Length: 100 mm to 1000 mm

TI017915 Diameter: **7.0mm**, Length: 100 mm to 1000 mm

TI017925 Diameter: **10.0mm**, Length: 50 mm to 1000 mm

TI017930 Diameter: **12.7mm**, Length: 100 mm to 1000 mm

TI017940 Diameter: **16.0mm**, Length: 100 mm to 500 mm

TI017950 Diameter: **20.0mm**, Length: 100 mm to 500 mm

TI017960 Diameter: **25.0mm**, Length: 50 mm to 200 mm

TI017965 Diameter: **30.0mm**, Length: 50 mm to 200 mm

TI017970 Diameter: **35.0mm**, Length: 50 mm to 200 mm

TI017980 Diameter: **50mm**, Length: 50 mm to 300 mm

TI017990 Diameter: **101.6mm**, Length: 67 mm to 200 mm



Powder

TI016021 Max. Particle size: **45micron**, Condition: Spherical

TI016015 Max. Particle size: **200micron**, Min. Particle size: 150micron, Condition: Spherical

TI016010 Max. Particle size: **450micron**, Condition: Spherical



Sphere

TI016820 Diameter: **2mm**

TI016830 Diameter: **3mm**, Tolerance: $\pm 25.4\mu\text{m}$, Sphericity: $5.08\mu\text{m}$, Grade: Precision Sphere, Condition: Grade 200

TI016860 Diameter: **6mm**

TI016890 Diameter: **8mm**, Tolerance: $\pm 25.4\mu\text{m}$, Sphericity: $5.08\mu\text{m}$, Grade: Precision Sphere, Condition: Grade 200

Titanium/Vanadium (Ti90/V 10)



Powder

TI256010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Titanium/Gallium (Ti92/Ga 8)



Lump

TJ206100 Max. Lump size: **25mm**

Titanium/Silicon (Ti92/Si 8)



Powder

TI216010 Max. Particle size: **425micron**, Min. Particle size: 150micron, Condition: Alloy Pre-cursor

Titanium/Aluminum/Vanadium (Ti94.5/Al 3/V 2.5)



Foil

TI040300 Thickness: **0.030mm**, Temper: Annealed, Coil width 150 mm, Size: 50x50 mm to 150x150 mm

TI040400 Thickness: **0.25mm**, Temper: Annealed, Coil width 150 mm, Size: 50x50 mm to 150x150 mm

Titanium/Palladium (Ti99.85/Pd 0.15)



Foil

TI260400 Thickness: **0.45mm**, Size: 100x100 mm to 300x300 mm

Alloys

Titanium/Cobalt (Ti99.95/Co 0.05)



Wire

TK025120 Diameter: **0.25mm**, Temper: As drawn

Vanadium/Chromium (V 75/Cr25)



Powder

V 026010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Tungsten/Cobalt (W 50/Co50)



Powder

W 036010 Max. Particle size: **75micron**, Condition: Alloy Pre-cursor

Tungsten/Copper (W 60/Cu40)



Foil

W 180210 Thickness: **0.125mm**, Size: 25x25 mm to 25x200 mm

W 180250 Thickness: **0.25mm**, Size: 25x25 mm to 75x200 mm

W 180300 Thickness: **0.50mm**, Size: 25x75 mm to 75x200 mm

W 180400 Thickness: **1.0mm**, Size: 25x75 mm to 75x200 mm



Wire

W 185110 Diameter: **0.25mm**, Condition: Straight wire

W 185120 Diameter: **0.5mm**, Condition: Straight wire

W 185140 Diameter: **1.0mm**, Condition: Straight wire



Tube

W 187100 Outside Diameter: **0.5mm**, Wall Thickness: 0.13mm, Inside Diameter: 0.24mm, Length: 175 mm

W 187300 Outside Diameter: **3.15mm**, Wall Thickness: 1.15mm, Inside Diameter: 0.85mm, Length: 80 mm to 175 mm

Tungsten/Copper (W 65/Cu35)



Foil

W 100250 Thickness: **0.25mm**, Size: 25x25 mm to 25x75 mm

Tungsten/Nickel/Iron (W 70/Ni 20/Fe 10)



Lump

W 276100 Max. Lump size: **3mm**

Tungsten/Copper (W 72/Cu28)

Copelmet®



Sheet

W 113100 Thickness: **3.15mm**, Size: 25x25 mm to 50x200 mm



Rod

W 117915 Diameter: **3.5mm**, Length: 100 mm to 200 mm

W 117917 Diameter: **4.0mm**, Length: 200 mm

W 117920 Diameter: **6.25mm**, Length: 100 mm to 200 mm

W 117925 Diameter: **8.0mm**, Length: 100 mm to 200 mm

W 117930 Diameter: **12.7mm**, Length: 115 mm to 200 mm

W 117935 Diameter: **16.0mm**, Length: 100 mm to 200 mm

W 117940 Diameter: **25mm**, Length: 100 mm to 200 mm



Bar

W 118100 Side Length: **25mm**, Side Length (of longer side): 25mm, Length: 50 mm to 200 mm

Tungsten/Rhenium (W 74/Re26)



Wire

W 125120 Diameter: **0.125mm**, Temper: Annealed

W 125410 Diameter: **0.2mm**, Temper: Annealed

Tungsten/Rhenium (W 75/Re25)



Wire

W 015075 Diameter: **0.05mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 015100 Diameter: **0.075mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 015110 Diameter: **0.1mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 015120 Diameter: **0.125mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 015125 Diameter: **0.178mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 015130 Diameter: **0.2mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 015135 Diameter: **0.25mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 015138 Diameter: **0.35mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 015140 Diameter: **0.5mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 015145 Diameter: **0.75mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 015150 Diameter: **1.0mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

Tungsten/Copper (W 80/Cu20)



Foil

W 160450 Thickness: **3.0mm**, Size: 100x100 mm



Rod

W 167910 Diameter: **6mm**, Length: 100 mm to 200 mm

Alloys

W 167920 Diameter: **12mm**, Length: 100 mm to 200 mm

W 167940 Diameter: **25mm**, Length: 100 mm to 200 mm



Tube

W 167100 Outside Diameter: **0.5mm**, Wall Thickness: 0.13mm, Inside Diameter: 0.24mm, Length: 180 mm

Tungsten/Silver (W 90/Ag10)



Powder

W 076010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Tungsten/Chromium (W 90/Cr10)



Powder

W 066010 Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

Tungsten/Nickel/Iron (W 95/Ni 3.5/Fe 1.5)



Rod

W 257940 Diameter: **25mm**, Length: 105 mm

Tungsten/Rhenium (W 95/Re 5)



Wire

W 025100 Diameter: **0.1mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 025120 Diameter: **0.125mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 025410 Diameter: **0.2mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 025250 Diameter: **0.25mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 025350 Diameter: **0.5mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 025365 Diameter: **0.65mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 025370 Diameter: **0.7mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

Tungsten/Titanium (W 95/Ti 5)



Powder

W 086010 Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

Tungsten/Rhenium (W 97/Re 3)



Foil

W 040250 Thickness: **0.05mm**, Coil width: .5mm, Temper: Annealed, Length: 0.05 m to 0.5 m



Wire

W 045090 Diameter: **0.01mm**, Temper: As drawn, Thermocouple wire: May be used as one component of a Thermocouple

W 045100 Diameter: **0.02mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 045120 Diameter: **0.025mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 045150 Diameter: **0.05mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 045170 Diameter: **0.125mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 045180 Diameter: **0.15mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 045200 Diameter: **0.2mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 045250 Diameter: **0.25mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 045300 Diameter: **0.5mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

W 045350 Diameter: **1.0mm**, Temper: Annealed, Thermocouple wire: May be used as one component of a Thermocouple

Thoriated Tungsten (W 98/Th 2)



Sheet

W 133200 Thickness: **5.0mm**, Temper: As rolled, Size: 16x26 mm to 65x65 mm



Rod

W 137920 Diameter: **6.35mm**, Length: 50 mm to 300 mm

W 137940 Diameter: **12.7mm**, Length: 50 mm to 150 mm

Thoriated Tungsten (W 99/Th 1)



Wire

W 145351 Diameter: **0.15mm**, Temper: As drawn, Condition: Clean

W 145370 Diameter: **0.2mm**, Temper: Annealed

W 145440 Diameter: **0.38mm**, Temper: Annealed

W 145450 Diameter: **0.5mm**, Temper: Annealed

W 145475 Diameter: **0.75mm**, Temper: Annealed

W 145500 Diameter: **1mm**, Temper: Annealed

Thoriated Tungsten (W 99.4/Th 0.6)



Wire

W 055140 Diameter: **0.013mm**, Temper: Annealed

Alloys

W 055150 Diameter: **0.025mm**, Temper: Annealed

W 055200 Diameter: **0.05mm**, Temper: Annealed

W 055250 Diameter: **0.1mm**, Temper: Annealed

W 055475 Diameter: **0.75mm**, Temper: Annealed

W 055500 Diameter: **1.0mm**, Temper: Annealed

Zinc/Aluminum (Zn50/Al50)



Powder

ZN016010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Zinc/Nickel (Zn90/Ni10)



Powder

ZN036010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Zamak 410 - Zinc/Aluminum/Copper/Magnesium (Zn95/Al 4/Cu 1/Mg)



Foam

ZN063801 Thickness: **20mm**, Bulk density: 0.33g.cm^{-3} , Pores/cm: 4, Size: 150x150 mm

ZN063802 Thickness: **50mm**, Bulk density: 0.33g.cm^{-3} , Pores/cm: 4, Size: 150x150 mm

Zinc/Copper (Zn95/Cu 5)



Powder

ZN026011 Max. Particle size: **150micron**

ZN026010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Zinc/Aluminum (Zn98/Al 2)



Sputtering Target

ZN059600 Thickness: **6.0mm**, Size: 50 mm

Zirconium/Vanadium (Zr56.5/V 43.5)



Powder

ZR086010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Zirconium/Nickel (Zr70/Ni30)



Powder

ZR046010 Max. Particle size: **150micron**, Condition: Alloy Pre-cursor

Zirconium/Aluminum (Zr90/Al10)



Powder

ZR016010 Max. Particle size: **45micron**, Condition: Alloy Pre-cursor

Compounds

Aluminum Borosilicide (AlBSi)


Powder

AL546010 Max. Particle size: 150micron

Aluminum Carbide (Al₄C₃)


Powder

AL516010 Max. Particle size: 45micron, Purity: 98.0%

Aluminum Nitride (AlN)


Sputtering Target

AL529300 Thickness: 3.0mm, Size: 50 mm

AL529600 Thickness: 6.0mm, Size: 50 mm


Powder

AL526020 Max. Particle size: 50micron, Purity: 99%

Antimony Telluride (Sb₂Te₃)


Lump

SB506100 Max. Lump size: 10mm, Purity: 99.99%

Arsenic Telluride (As₂Te₃)


Lump

AS506100 Max. Lump size: 10mm, Purity: 99.999%

Arsenic trisulphide (As₂S₃)


Film

AS521410 Thickness: 0.1mm, Condition: Single crystal, Size: 5x5 mm

Barium Titanate (BaTiO₃)


Powder

BA506010 Max. Particle size: 45micron, Purity: 98.0%

Bismuth Telluride (Bi₂Te₃)


Lump

BI506100 Max. Lump size: 6mm, Purity: 99.999%

Boron Carbide (B₄C)


Powder

B 506010 Max. Particle size: 45micron, Purity: 99%

Boron Nitride (BN)


Film

B 511410 Thickness: 0.1mm, Condition: Single crystal, Size: 1x2 mm


Powder

B 516011 Max. Particle size: 10micron, Purity: 99.5%

Cadmium Selenide (CdSe)


Lump

CD516100 Max. Lump size: 15mm

Calcium Boride (CaB₆)


Powder

CA526011 Max. Particle size: 45micron, Purity: 95%

CA526010 Max. Particle size: 150micron, Purity: 99%

Calcium Fluoride (CaF₂)


Sheet

CA553200 Thickness: 2.0mm, Tolerance: +/-0.2 mm, Condition: Polished both sides, Condition: IR grade, Size: 10x10 mm

CA553202 Thickness: 5.0mm, Tolerance: +/-0.05 mm, Condition: Polished both sides, Condition: IR grade, Diameter: 24 mm

CA553205 Thickness: 10mm, Tolerance: +/-0.2 mm, Condition: Polished on all sides, Condition: IR grade, Size: 10x10 mm


Sputtering Target

CA559500 Thickness: 5.0mm, Size: 40 mm

Calcium Titanate (CaTiO₃)


Powder

CA546010 Max. Particle size: 45micron

Cesium Iodide (CsI)


Sheet

CS533010 Thickness: 2.0 mm, Condition: Polished both sides, Size: 5x10 mm

CS533011 Thickness: 2.0 mm, Condition: Polished both sides, Size: 10x10 mm

Cesium Metavanadate (CsVO₃)


Powder

CS516010 Max. Particle size: 45micron, Purity: 99.%

Cesium Molybdate (Cs₂MoO₄)


Powder

CS506011 Max. Particle size: 75micron, Purity: 99.9%

Chromium Boride (Cr₂B)


Powder

CR546010 Max. Particle size: 45micron

Chromium Carbide (Cr₃C₂)


Powder

CR516010 Max. Particle size: 45micron, Purity: 99.0%

Chromium Diboride (CrB₂)


Powder

CR506010 Max. Particle size: 45micron, Purity: 99.0%

Chromium Nitride (Cr₂N)


Powder

CR526011 Max. Particle size: 45micron, Purity: 99.0%

Compounds

Chromium Silicide (CrSi₂)



Powder

CR536020 Max. Particle size: **45micron**, Purity: 99.999%

Cobalt (II) Oxide (CoO)



Sputtering Target

CO509300 Thickness: **3.0mm**, Size: 50 mm

CO509310 Thickness: **5mm**, Size: 25.4 mm

Cobalt Boride (Co₂B)



Powder

CO516010 Max. Particle size: **500micron**

Copper Selenide (CuSe)



Powder

CU516010 Max. Particle size: **45micron**, Purity: 99.99%

Cupric Oxide (CuO)



Powder

CU506010 Max. Particle size: **10micron**

CU506020 Max. Particle size: **75micron**

Gadolinium Oxide (Gd₂O₃)



Powder

GD506011 Mean Particle size: **5micron**

GD506012 Max. Particle size: **10micron**

Gallium selenide (GaSe)



Film

GA531410 Thickness: **0.1mm**, Condition: Single crystal,
Size: 1x3 mm

Graphene oxide (COH)



Film

GR501012 Thickness: **0.012-0.015mm**, Support:
Millipore filter, Support thickness: 105 micron,
Support porosity: 70%, Support material:
Cellulose acetate/Cellulose nitrate, Support
pore size: 0.025 micron, Diameter: 40 mm



Powder

GR506010 Mean Particle size: **17micron**, Condition:
Aqueous dispersion, Concentration: 0.5mg/ml

GR506040 Mean Particle size: **17micron**, Condition:
Aqueous dispersion, Concentration: 4mg/ml

GR506050 Mean Particle size: **285micron**, Condition:
Reduced

Hafnium Carbide (HfC)



Powder

HF516010 Max. Particle size: **45micron**, Purity: 99.0%

Hafnium Diboride (HfB₂)



Powder

HF506010 Max. Particle size: **45micron**, Purity: 99.0%

Hafnium Hydride (HfH₂)



Powder

HF526010 Max. Particle size: **75micron**, Purity: 99.5%

Hafnium Oxide (HfO₂)



Sputtering Target

HF549300 Thickness: **3mm**, Condition: Hot-pressed, Size:
25.4 mm to 50.8 mm

Indium Oxide (In₂O₃)



Sputtering Target

IN529300 Thickness: **3.0mm**, Size: 50 mm

Indium Oxide/Tin Oxide (In₂O₃ 90 /SnO₂ 10)



Sputtering Target

IN519300 Thickness: **3.0mm**, Condition: Hot-pressed,
Size: 25 mm to 75 mm

IN519600 Thickness: **6.0mm**, Condition: Hot-pressed,
Size: 50.8 mm to 76.2 mm

Iron Boride (FeB)



Powder

FE546010 Max. Particle size: **500micron**



Lump

FE546100 Max. Lump size: **10mm**

Iron Boride (Fe₂B)



Powder

FF506010 Max. Particle size: **500micron**

Iron Oxide (Fe₃O₄)



Powder

FE596010 Max. Particle size: **50micron**, Purity: 99.9%

Iron Silicide (FeSi)



Powder

FE506020 Max. Particle size: **850micron**, Purity: 99.999%

Lanthanum Fluoride (LaF₃)



Single Crystal

LA512010 Oriented: **Random**, Diameter: 10mm, Length:
1.5mm, Dopant: Eu

LA512025 Oriented: **Random**, Diameter: 6mm, Length:
4.5 mm, Dopant: Eu, Condition:
Polished both sides,

LA512011 Oriented: **Random**, Thickness: 1.5mm,
Diameter: 5mm, Dopant: Eu

LA512020 Oriented: **Random**, Diameter: 6mm, Length:
5mm, Dopant: Eu

Lanthanum Hexaboride (LaB₆)



Powder

LA506010 Max. Particle size: **45micron**, Purity: 99.0%

Compounds

Lanthanum Oxide (La₂O₃)


Powder
LA546010 Max. Particle size: **200micron**

Lead Selenide (PbSe)


Lump
PB506101 Max. Lump size: **6mm**, High Purity: 99.999%

Lithium Fluoride (LiF)


Lump
LI516101 Max. Lump size: **10mm**, High Purity: 99.995%

Single Crystal
LI512050 Oriented: **(001)**, Size: 1x5x5 mm

LI512060 Oriented: **(001)**, Condition: Polished both sides, Size: 2x5x5 mm

LI512051 Oriented: **(001)**, Thickness: 1mm, Diameter: 5mm

LI512055 Oriented: **(100)**, Thickness: 0.4mm, Diameter: 5mm, Condition: Ground

LI512052 Oriented: **(111)**, Thickness: 1mm, Diameter: 5mm

Magnesium Fluoride (MgF₂)


Lump
MG516100 Max. Lump size: **5mm**, Purity: 99.99%

Magnesium Oxide (MgO)


Sputtering Target
MG509300 Thickness: **3.0mm**, Size: 25.4 mm to 76.2 mm

MG509600 Thickness: **6.0mm**, Size: 50.8 mm to 76.2 mm

Powder
MG506010 Max. Particle size: **1000micron**

Single Crystal
MG502000 Oriented: **(100)**, Purity: 99.9%, Size: 31x16x4 mm

MG502025 Oriented: **(100)**, Purity: 99.9%, Size: 10x10x2.1 mm

MG502026 Oriented: **(100)**, Purity: 99.9%, Condition: EPI polished on 1 side, Size: 10x10x2 mm

MG502100 Oriented: **(100)**, Purity: 99.999%, Dopant: 300ppm Fe, Size: 20.3x4.4x4 mm

MG502175 Oriented: **(100)**, Purity: 99.999%, Dopant: 4300ppm Fe, Size: 28.2x6.3x5 mm

MG502200 Oriented: **(100)**, Purity: 99.999%, Dopant: 12900ppm Fe, Size: 6x4.5x1 mm

MG502225 Oriented: **(100)**, Purity: 99.999%, Dopant: 450ppm V, Size: 8x7x4.25 mm

MG502022 Oriented: **(100)**, Thickness: 0.5mm, Condition: EPI polished on 1 side, Size: 10x10 mm

MG502050 Oriented: **(100)**, Thickness: 0.7mm, Diameter: 10mm, Purity: 99.9%, Condition: EPI polished on 1 side

MG502055 Oriented: **(100)**, Thickness: 0.6mm, Diameter: 25mm, Condition: EPI polished on both sides

MG502020 Oriented: **(100)**, Thickness: 1mm, Purity: 99.9%, Condition: EPI polished on both sides, Size: 10x10 mm

MG502075 Oriented: **Uncleaved**, Size: 26x7x6 mm to 30x7x4.5 mm

Manganese Nitride (Mn₄N)


Powder
MN506010 Max. Particle size: **75micron**

Molybdenum Carbide (Mo₂C)


Powder
MO516011 Max. Particle size: **45micron**, Purity: 99.0%

Molybdenum Diboride (MoB₂)


Powder
MO506011 Max. Particle size: **10micron**, Purity: 99.0%

Molybdenum Diselenide (MoSe₂)


Film
MO581410 Thickness: **0.1mm**, Condition: Single crystal, Size: 3x3 mm

Molybdenum Disilicide (MoSi₂)


Sputtering Target
MO539600 Thickness: **6.0mm**, Size: 50 mm to 75 mm

Powder
MO536020 Max. Particle size: **18micron**, Min. Particle size: 3micron, Purity: 99.5%

MO536010 Max. Particle size: **45micron**, Purity: 99.5%

Molybdenum Disulfide (MoS₂)


Film
MO571410 Thickness: **0.1mm**, Condition: Single crystal, Size: 10x15 mm to 15x20 mm

Nickel Oxide (NiO)


Sputtering Target
NI519300 Thickness: **3mm**, Condition: Hot-pressed, Size: 25.4 mm to 50.8 mm

Powder
NI516010 Max. Particle size: **45micron**, Color: Black

NI516011 Max. Particle size: **45micron**, Color: Green

NI516020 Max. Particle size: **500micron**, Min. Particle size: 200micron, Color: Green

NI516030 Max. Particle size: **1700micron**, Min. Particle size: 850micron, Color: Green

Niobium Boride (NbB₂)


Powder
NB506010 Max. Particle size: **45micron**, Purity: 99.0%

Niobium Carbide (NbC)


Powder
NB516010 Max. Particle size: **45micron**, Purity: 99.0%

Compounds

Niobium Hydride (NbH)



Powder

NB526010 Max. Particle size: **250micron**

Niobium Nitride (NbN)



Powder

NB546010 Max. Particle size: **150micron**, Purity: 99%

Niobium Pentoxide (Nb₂O₅)



Powder

NB556010 Max. Particle size: **150micron**, Purity: 99.5%

Niobium Silicide (NbSi₂)



Powder

NB536010 Max. Particle size: **45micron**, Purity: 99.0%

Silicon Carbide (SiC)



Powder

SI516022 Max. Particle size: **0.05micron**, Purity: 99.0%, Condition: Nanopowder, Phase: Beta

SI516021 Mean Particle size: **0.1-1micron**, Purity: 99.0%, Phase: Alpha

SI516017 Mean Particle size: **17micron**, Color: Green

SI516010 Max. Particle size: **75micron**, Purity: 98.7%, Phase: Alpha

Silicon Monoxide (SiO)



Powder

SI546010 Max. Particle size: **45micron**, Purity: 99.999%

Silicon Nitride (Si₃N₄)



Powder

SI536015 Max. Particle size: **0.02micron**, Purity: 99%, Condition: Nanopowder, Condition: Amorphous

SI536014 Max. Particle size: **0.8micron**, Min. Particle size: 0.1micron, Purity: 99%, Condition: Nanopowder, Phase: Alpha

SI536020 Max. Particle size: **10micron**, Condition: Alpha Si₃N₄ (85% minimum)

Silver Chloride (AgCl)



Powder

AG506010 Max. Particle size: **150micron**

Sodium Chloride (NaCl)



Single Crystal

NA502100 Oriented: **(100)**, Condition: Polished both sides, Size: 1x20x20 mm

NA502101 Oriented: **(100)**, Condition: Polished both sides, Size: 1x10x10 mm

NA502102 Oriented: **(100)**, Condition: Unpolished, Size: 1x20x20 mm

Strontium Titanate (SrTiO₃)



Powder

SR506010 Mean Particle size (FSSS): **5micron**, Purity: 98.0%



Single Crystal

SR502012 Oriented: **(100)**, Thickness: 1.0mm, Purity: 99.999%, Condition: EPI polished on both sides, Size: 10x10 mm

SR502011 Oriented: **(100)**, Thickness: 1.0mm, Purity: 99.999%, Condition: EPI polished on 1 side, Size: 10x10 mm

Tantalum Boride (TaB₂)



Powder

TA516010 Max. Particle size: **45micron**, Purity: 99.0%

Tantalum Carbide (TaC)



Powder

TA526010 Max. Particle size: **45micron**

Tantalum Pentoxide (Ta₂O₅)



Sputtering Target

TA579300 Thickness: **3.0mm**, Size: 50.8 mm to 76.2 mm

Tantalum Silicide (TaSi₂)



Powder

TA566010 Max. Particle size: **45micron**, Purity: 99.0%

Tin Oxide (SnO₂)



Sputtering Target

SN509300 Thickness: **3.0mm**, Condition: Hot-pressed, Size: 50 mm to 75 mm

Tin Oxide (SnO)



Powder

SN516010 Max. Particle size: **150micron**

Titanium Aluminide (TiAl₃)



Powder

TI506011 Max. Particle size: **45micron**, Purity: 99.0%

Titanium Boride (TiB₂)



Sputtering Target

TI519300 Thickness: **3.0mm**, Size: 50 mm

TI519600 Thickness: **6.0mm**, Size: 50 mm



Powder

TI516020 Max. Particle size: **45micron**, Purity: 99.0%

Titanium Carbide (TiC)



Powder

TI546005 Mean Particle size: **<0.05micron**, Purity: 99.8 + %, Condition: Nanopowder

TI546013 Mean Particle size: **0.1micron**, Purity: 98.5%

TI546010 Mean Particle size (FSSS): **3micron**, Purity: 98.5%

TI546020 Max. Particle size: **5micron**, Purity: 99.8 + %

TI546030 Max. Particle size: **150micron**, Min. Particle size: 50micron, Purity: 99.8 + %

Compounds

Titanium Hydride (TiH₂)



Powder

TI556010 Max. Particle size: **150micron**, Purity: 99.0+ %

Titanium Nitride (TiN)



Sputtering Target

TI569300 Thickness: **3.0mm**, Condition: Hot-pressed, Size: 25.4 mm to 50.8 mm

TI569600 Thickness: **6.0mm**, Condition: Hot-pressed, Size: 50.8 mm to 76.2 mm



Powder

TI566005 Max. Particle size: **0.02micron**, Purity: 99.0%, Condition: Nanopowder

TI566010 Max. Particle size: **45micron**, Purity: 99.0%

Titanium Silicide (TiSi₂)



Powder

TI576010 Max. Particle size: **45micron**, Purity: 99.0%

Titanium Silicocarbide (TiSiC₂ + TiSiC)



Powder

TI586020 Max. Particle size: **90micron**, Purity: 99.999%

Tungsten Boride (WB)



Powder

W 506010 Max. Particle size: **45micron**, Purity: 99.0%

Tungsten Carbide (WC)



Powder

W 526011 Max. Particle size: **45micron**, Purity: 99.5%

W 526010 Max. Particle size: **150micron**, Min. Particle size: 45micron, Purity: 99.5%

Tungsten Disulfide (WS₂)



Film

W 551410 Thickness: **0.1mm**, Condition: Single crystal, Size: 3x3 mm



Powder

W 556010 Mean Particle size (FSSS): **0.1-2micron**, Purity: 99.5%

W 556011 Max. Particle size: **10micron**, Purity: 99.5%

Tungsten Ditelluride (WTe₂)



Film

W 571410 Thickness: **0.1mm**, Condition: Single crystal, Size: 3x3 mm

Tungsten Selenide (WSe₂)



Film

WA521410 Thickness: **0.1mm**, Condition: Single crystal, Size: 3x3 mm

Tungsten Silicide (WSi₂)



Sputtering Target

W 549300 Thickness: **3.0mm**, Size: 50.8 mm



Powder

W 546010 Max. Particle size: **45micron**, Purity: 99.0%

Tungsten Titanium Carbide (WTiC₂)



Powder

W 566010 Max. Particle size: **150micron**, Purity: 99.5%, Condition: Crystalline

Tungsten Trioxide (WO₃)



Sputtering Target

WA509200 Thickness: **3mm**, Size: 50.8 mm

WA509300 Thickness: **5mm**, Size: 50 mm



Powder

WA506010 Max. Particle size: **45micron**

Vanadium Carbide (VC)



Powder

V 516010 Max. Particle size: **45micron**, Purity: 99.0%

Vanadium Nitride (VN)



Powder

V 536010 Max. Particle size: **150micron**, Purity: 99.0%

Vanadium Pentoxide (V₂O₅)



Powder

V 566010 Max. Particle size: **400micron**

Vanadium Silicide (VSi₂)



Powder

V 546010 Max. Particle size: **45micron**, Purity: 99.0%

Zinc Arsenide (Zn₃As₂)



Powder

ZN506010 Max. Particle size: **150micron**, Purity: 99%

Zinc Oxide (ZnO)



Sputtering Target

ZN529200 Thickness: **2.5mm**, Size: 15 mm

ZN529300 Thickness: **3.0mm**, Size: 50 mm to 75 mm

ZN529500 Thickness: **5.0mm**, Size: 25 mm

ZN529600 Thickness: **6.0mm**, Size: 76.2 mm



Powder

ZN526010 Max. Particle size: **45micron**, High Purity: 99.999%



Single Crystal

ZN522010 Oriented: **Random**, Condition: Ground, Size: 8x8x1 mm

Compounds

Zinc Oxide / Gallium Oxide 2% - GZO (ZnO 98 / Ga₂O₃ 2)



Sputtering Target

ZN579500 Thickness: 5mm, Size: 25 mm

Zinc Selenide (ZnSe)



Powder

ZN516010 Max. Particle size: 45micron

Zinc Sulfide (ZnS)



Powder

ZN536010 Max. Particle size: 45micron, Purity: 99.9%



Lump

ZN536100 Max. Lump size: 5mm, Purity: 99.99%

Zirconium Boride (ZrB₂)



Powder

ZR506010 Max. Particle size: 45micron, Purity: 99.0%

Zirconium Carbide (ZrC)



Powder

ZR516010 Max. Particle size: 45micron, Purity: 99.0%

Zirconium Hydride (ZrH₂)



Powder

ZR526010 Max. Particle size: 150micron, Purity: 99.5%

Zirconium Nitride (ZrN)



Sputtering Target

ZR539300 Thickness: 3.0mm, Size: 50.8 mm



Powder

ZR536010 Max. Particle size: 45micron, Purity: 99.0%

Intermetallics

Aluminum Nickelide (Al_3Ni)



Powder

AL706010 Max. Particle size: **150micron**

Aluminum Nickelide (Al_3Ni_2)



Powder

AL716010 Max. Particle size: **150micron**

Nickel Aluminide (NiAl)



Powder

NI706010 Max. Particle size: **150micron**, Purity: 99.0%

NI706011 Max. Particle size: **150micron**, Mean Particle size: 45micron, Purity: 99.0%, Condition: Atomized

Nickel Aluminide (Ni_3Al)



Powder

NI716010 Max. Particle size: **45micron**

Ceramics

Alumina (Al₂O₃)



Sheet

- AL603015** Thickness: **0.15mm**, Purity: 96%, Size: 50x50 mm
- AL603024** Thickness: **0.25mm**, Purity: 96%, Diameter: 25 mm
- AL603025** Thickness: **0.25mm**, Purity: 96%, Size: 25x25 mm
- AL603026** Thickness: **0.25mm**, Purity: 96%, Size: 50x50 mm
- AL603028** Thickness: **0.25mm**, Purity: 99.0%, Size: 5x5 mm to 60x60 mm
- AL603029** Thickness: **0.25mm**, Purity: 99.0%, Diameter: 57 mm
- AL603027** Thickness: **0.25mm**, Purity: 96%, Size: 100x100 mm
- AL603039** Thickness: **0.38mm**, Size: 2x29.8 mm
- AL603050** Thickness: **0.50mm**, Purity: 96%, Size: 25x25 mm
- AL603051** Thickness: **0.50mm**, Purity: 96%, Size: 50x50 mm to 60x60 mm
- AL603053** Thickness: **0.50mm**, Purity: 99.0%, Size: 60x60 mm
- AL603052** Thickness: **0.50mm**, Purity: 96%, Size: 100x100 mm
- AL603064** Thickness: **0.64mm**, Purity: 96%, Size: 100x150 mm to 114x114 mm
- AL603099** Thickness: **1.0mm**, Purity: 96%, Size: 14x17 mm
- AL603100** Thickness: **1.0mm**, Purity: 97.5%, Size: 25x25 mm
- AL603110** Thickness: **1.0mm**, Purity: 97.5%, Size: 50x50 mm
- AL603115** Thickness: **1.0mm**, Purity: 99.6%, Size: 10x10 mm to 50x50 mm
- AL603101** Thickness: **1.0mm**, Purity: 96%, Size: 60x60 mm
- AL603104** Thickness: **1.0mm**, Purity: 99.0%, Size: 60x60 mm
- AL603102** Thickness: **1.0mm**, Purity: , Size: 100x100 mm to 110x110 mm
- AL603103** Thickness: **1.0mm**, Purity: 99.0%, Size: 200x200 mm
- AL603202** Thickness: **2.0mm**, Diameter: 15 mm
- AL603200** Thickness: **2.0mm**, Purity: 99.0%, Size: 50x50 mm
- AL603201** Thickness: **2.0mm**, Purity: 99.0%, Size: 2x12 mm
- AL603250** Thickness: **2.5mm**, Purity: 99.0%, Size: 25x25 mm
- AL603251** Thickness: **2.5mm**, Purity: 99.0%, Size: 50x50 mm
- AL603300** Thickness: **3.0mm**, Purity: 99.0%, Size: 25x25 mm
- AL603301** Thickness: **3.0mm**, Purity: 99.0%, Size: 25x50 mm
- AL603401** Thickness: **4.0mm**, Purity: 99.0%, Size: 25x50 mm
- AL603450** Thickness: **5.0mm**, Purity: 99.0%, Size: 25x25 mm to 100x100 mm
- AL603480** Thickness: **10.0mm**, Purity: 99.0%, Size: 50x50 mm



Sputtering Target

- AL609200** Thickness: **2.0mm**, Purity: 99.99%, Size: 25.4 mm
- AL609301** Thickness: **3.15mm**, Purity: 99.99%, Size: 20 mm to 76.2 mm
- AL609300** Thickness: **3.15mm**, Purity: 99.5%, Size: 25.4 mm to 100.5 mm
- AL609501** Thickness: **5.0mm**, Purity: 99.5%, Size: 50 mm
- AL609601** Thickness: **6.35mm**, Purity: 99.99%, Size: 50.8 mm to 76.2 mm
- AL609600** Thickness: **6.35mm**, Purity: 99.5%, Size: 50.8 mm to 76.2 mm



Foam

- AL603810** Thickness: **4mm**, Porosity: 86%, Pores/cm: 26, Size: 96x96 mm
- AL603820** Thickness: **7mm**, Porosity: 86%, Pores/cm: 26, Size: 30x100 mm to 100x100 mm
- AL603825** Thickness: **12.7mm**, Porosity: 84%, Pores/cm: 8, Size: 100x100 mm
- AL603821** Thickness: **12.7mm**, Porosity: 86%, Pores/cm: 26, Size: 100x100 mm
- AL603822** Thickness: **12.7mm**, Porosity: 86%, Pores/cm: 26, Diameter: 38 mm



Fiber

- AL605720** Tex Number: **210**, Filament diameter: 0.02mm, Number of filaments: 200, Grade: FP
- AL605725** Tex Number: **250**, Filament diameter: 0.01mm, Number of filaments: 1000, Grade: AMX



Rod

- AL607908** Diameter: **0.83mm**, Length: 160 mm
- AL607910** Diameter: **1.0mm**, Purity: 99.0%, Length: 100 mm to 500 mm
- AL607911** Diameter: **1.25mm**, Purity: 99.0%, Length: 11.75 mm
- AL607915** Diameter: **1.5mm**, Purity: 99.0%, Length: 100 mm to 300 mm
- AL607921** Diameter: **2.0mm**, Purity: 99.0%, Length: 2 mm
- AL607920** Diameter: **2.0mm**, Purity: 99.0%, Length: 150 mm to 450 mm
- AL607941** Diameter: **4.0mm**, Length: 150 mm
- AL607950** Diameter: **5.0mm**, Purity: 99.0%, Length: 50 mm to 1000 mm
- AL607960** Diameter: **6.0mm**, Purity: 99.0%, Length: 100 mm to 1000 mm
- AL607975** Diameter: **10.0mm**, Purity: 99.0%, Length: 50 mm to 1000 mm
- AL607978** Diameter: **12.7mm**, Purity: 99.0%, Length: 100 mm to 1000 mm
- AL607982** Diameter: **15.0mm**, Length: 50 mm to 100 mm
- AL607992** Diameter: **20.0mm**, Bulk density: 0.78g.cm⁻³, Pores/cm: 8, Porosity: 84%, Purity: 99.5%, Condition: Foam Rod, Length: 50 mm
- AL607990** Diameter: **20.0mm**, Purity: 99.0%, Length: 50 mm to 500 mm



Bar

- AL608025** Side Length: **20mm**, Side Length (of longer side): 25mm, Length: 736 mm

Ceramics



Tube

- AL607022** Outside Diameter: **0.80mm**, Wall Thickness: 0.3mm, Inside Diameter: 0.2mm, Purity: 99.0%, Length: 100 mm to 500 mm
- AL607023** Outside Diameter: **0.80mm**, Wall Thickness: 0.25mm, Inside Diameter: 0.3mm, Length: 100 mm to 200 mm
- AL607042** Outside Diameter: **2.0mm**, Wall Thickness: 0.4mm, Inside Diameter: 1.2mm, Length: 100 mm to 300 mm
- AL607050** Outside Diameter: **2.5mm**, Wall Thickness: 0.6mm, Inside Diameter: 1.3mm, Length: 150 mm to 450 mm
- AL607060** Outside Diameter: **3.0mm**, Wall Thickness: 0.7mm, Inside Diameter: 1.6mm, Purity: 99.0%, Length: 100 mm to 1000 mm
- AL607062** Outside Diameter: **3.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 2.0mm, Length: 85 mm
- AL607070** Outside Diameter: **3.0mm**, Inside Diameter: 0.8mm, Condition: 2-Bore, Length: 100 mm to 300 mm
- AL607078** Outside Diameter: **4.0mm**, Wall Thickness: 1.53mm, Inside Diameter: 0.95mm, Length: 46 mm
- AL607080** Outside Diameter: **4.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 2mm, Purity: 99.0%, Length: 150 mm to 450 mm
- AL607090** Outside Diameter: **4.0mm**, Wall Thickness: 0.75mm, Inside Diameter: 2.5mm, Purity: 99.0%, Length: 250 mm
- AL607075** Outside Diameter: **4.0mm**, Inside Diameter: 1.0mm, Condition: 2-Bore, Length: 300 mm
- AL607095** Outside Diameter: **4.5mm**, Wall Thickness: 0.5mm, Inside Diameter: 3.5mm, Length: 7 mm to 10 mm
- AL607100** Outside Diameter: **4.5mm**, Inside Diameter: 1.0mm, Condition: 4-Bore, Length: 100 mm to 1000 mm
- AL607120** Outside Diameter: **6.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 4mm, Purity: 99.0%, Length: 100 mm to 1000 mm
- AL607160** Outside Diameter: **8.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 5mm, Purity: 99.0%, Length: 100 mm to 1000 mm
- AL607200** Outside Diameter: **10.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 7mm, Length: 100 mm to 150 mm
- AL607250** Outside Diameter: **12mm**, Wall Thickness: 2mm, Inside Diameter: 8mm, Length: 100 mm to 1000 mm
- AL607290** Outside Diameter: **15mm**, Wall Thickness: 2.5mm, Inside Diameter: 10mm, Purity: 99.0%, Length: 100 mm to 1000 mm
- AL607350** Outside Diameter: **26mm**, Wall Thickness: 3mm, Inside Diameter: 20mm, Purity: 99.0%, Length: 50 mm to 200 mm



Bolt

- AL60BO20** Size: **M2 x 5mm**, Head Style: Hexagonal, Pitch: 0.4mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs to 25 pcs
- AL60BO21** Size: **M2 x 10mm**, Head Style: Hexagonal, Pitch: 0.4mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs to 25 pcs
- AL60BO30** Size: **M3 x 5mm**, Head Style: Hexagonal, Pitch: 0.5mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs to 25 pcs

AL60BO31 Size: **M3 x 10mm**, Head Style: Hexagonal, Pitch: 0.5mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs to 25 pcs

AL60BO32 Size: **M3 x 15mm**, Head Style: Hexagonal, Pitch: 0.5mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs to 25 pcs

AL60BO41 Size: **M4 x 10mm**, Head Style: Hexagonal, Pitch: 0.7mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs to 25 pcs

AL60BO44 Size: **M4 x 25mm**, Head Style: Hexagonal, Pitch: 0.7mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs to 25 pcs

AL60BO47 Size: **M4 x 35mm**, Head Style: Hexagonal, Pitch: 0.7mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs to 25 pcs

AL60BO48 Size: **M4 x 40mm**, Head Style: Hexagonal, Pitch: 0.7mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs to 25 pcs

AL60BO51 Size: **M5 x 10mm**, Head Style: Hexagonal, Pitch: 0.8mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs to 25 pcs

AL60BO53 Size: **M5 x 20mm**, Head Style: Hexagonal, Pitch: 0.8mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs to 25 pcs

AL60BO55 Size: **M5 x 30mm**, Head Style: Hexagonal, Pitch: 0.8mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs to 25 pcs

AL60BO56 Size: **M5 x 30mm**, Head Style: Flat Slotted, Pitch: 0.8mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs to 25 pcs

AL60BO58 Size: **M5 x 40mm**, Head Style: Hexagonal, Pitch: 0.8mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs to 25 pcs

AL60BO61 Size: **M6 x 10mm**, Head Style: Hexagonal, Pitch: 1.0mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs to 25 pcs

AL60BO63 Size: **M6 x 20mm**, Head Style: Hexagonal, Pitch: 1.0mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs to 25 pcs

AL60BO64 Size: **M6 x 25mm**, Head Style: Hexagonal, Pitch: 1.0mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs to 25 pcs

AL60BO65 Size: **M6 x 30mm**, Head Style: Hexagonal, Pitch: 1.0mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs to 25 pcs

AL60BO67 Size: **M6 x 40mm**, Head Style: Hexagonal, Pitch: 1.0mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs to 25 pcs

AL60BO69 Size: **M6 x 50mm**, Head Style: Hexagonal, Pitch: 1.0mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs to 25 pcs

AL60BO71 Size: **M6 x 60mm**, Head Style: Hexagonal, Pitch: 1.0mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs to 25 pcs

AL60BO87 Size: **M8 x 40mm**, Head Style: Hexagonal, Pitch: 1.25mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs to 25 pcs

AL60BO91 Size: **M8 x 60mm**, Head Style: Hexagonal, Pitch: 1.25mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs to 25 pcs



Nut

AL60NU02 Size: **M2**, Style: Hexagonal, Pitch: 0.4mm, Standard: ANSI B18.2.4.1M-1979 (R1995), Quantity: 10 pcs to 25 pcs

AL60NU03 Size: **M3**, Style: Hexagonal, Pitch: 0.5mm, Standard: ANSI B18.2.4.1M-1979 (R1995), Quantity: 10 pcs to 25 pcs

Ceramics

AL60NU04 Size: **M4**, Style: Hexagonal, Pitch: 0.7mm,
Standard: ANSI B18.2.4.1M-1979 (R1995),
Quantity: 10 pcs to 25 pcs

AL60NU05 Size: **M5**, Style: Hexagonal, Pitch: 0.8mm,
Standard: ANSI B18.2.4.1M-1979 (R1995),
Quantity: 10 pcs to 25 pcs

AL60NU06 Size: **M6**, Style: Hexagonal, Pitch: 1.0mm,
Standard: ANSI B18.2.4.1M-1979 (R1995),
Quantity: 10 pcs to 25 pcs

AL60NU08 Size: **M8**, Style: Hexagonal, Pitch: 1.25mm,
Standard: ANSI B18.2.4.1M-1979 (R1995),
Quantity: 10 pcs to 25 pcs



Washer

AL60WA02 Size: **M2 (ANSI)**, Outside Diameter:
5.70 - 6.00mm, Inside Diameter:
2.50 - 2.64mm, Thickness: 0.60 - 0.90mm,
Standard: ANSI B18.22M-1981, R1990 (Reg),
Quantity: 10 pcs to 25 pcs

AL60WA52 Size: **M2 (BS4320)**, Outside Diameter:
4.70 - 5.00mm, Inside Diameter:
2.20 - 2.35mm, Thickness: 0.20 - 0.40mm,
Standard: BS4320:1968, Quantity: 10 pcs to
25 pcs

AL60WA03 Size: **M3 (ANSI)**, Outside Diameter:
9.64 - 10.00mm, Inside Diameter:
3.50 - 3.68mm, Thickness: 0.80 - 1.20mm,
Standard: ANSI B18.22M-1981, R1990 (Reg),
Quantity: 10 pcs to 25 pcs

AL60WA53 Size: **M3 (BS4320)**, Outside Diameter:
6.70 - 7.00mm, Inside Diameter:
3.20 - 3.40mm, Thickness: 0.40 - 0.60mm,
Standard: BS4320:1968, Quantity: 10 pcs to
25 pcs

AL60WA04 Size: **M4 (ANSI)**, Outside Diameter:
11.57 - 12.00mm, Inside Diameter:
4.70 - 4.88mm, Thickness: 1.00 - 1.40mm,
Standard: ANSI B18.22M-1981, R1990 (Reg),
Quantity: 10 pcs to 25 pcs

AL60WA54 Size: **M4 (BS4320)**, Outside Diameter:
8.70 - 9.00mm, Inside Diameter:
4.30 - 4.50mm, Thickness: 0.70 - 0.90mm,
Standard: BS4320:1968, Quantity: 10 pcs to
25 pcs

AL60WA05 Size: **M5 (ANSI)**, Outside Diameter:
14.57 - 15.00mm, Inside Diameter:
5.50 - 5.78mm, Thickness: 1.20 - 1.75mm,
Standard: ANSI B18.22M-1981, R1990 (Reg),
Quantity: 10 pcs to 25 pcs

AL60WA55 Size: **M5 (BS4320)**, Outside Diameter:
9.70 - 10.00mm, Inside Diameter:
5.30 - 5.50mm, Thickness: 0.90 - 1.10mm,
Standard: BS4320:1968, Quantity: 10 pcs to
25 pcs

AL60WA06 Size: **M6 (ANSI)**, Outside Diameter:
18.37 - 18.80mm, Inside Diameter:
6.65 - 6.87mm, Thickness: 1.20 - 1.75mm,
Standard: ANSI B18.22M-1981, R1990 (Reg),
Quantity: 10 pcs to 25 pcs

AL60WA56 Size: **M6 (BS4320)**, Outside Diameter:
12.10 - 12.50mm, Inside Diameter:
6.40 - 6.70mm, Thickness: 1.40 - 1.80mm,
Standard: BS4320:1968, Quantity: 10 pcs to
25 pcs

AL60WA08 Size: **M8 (ANSI)**, Outside Diameter:
24.48 - 25.40mm, Inside Diameter:
8.90 - 9.12mm, Thickness: 1.60 - 2.30mm,
Standard: ANSI B18.22M-1981, R1990 (Reg),
Quantity: 10 pcs to 25 pcs



Crucible

AL608510 Shape: **Classic**, Outside Diameter: 31mm,
Inside Diameter: 28mm, Height: 25mm,
Capacity: 7ml, Purity: , Quantity: , 5 pcs

AL608520 Shape: **Classic**, Outside Diameter: 31mm,
Inside Diameter: 28mm, Height: 28mm,
Capacity: 14ml, Purity: , Quantity: , 5 pcs

AL608530 Shape: **Classic**, Outside Diameter: 42mm,
Inside Diameter: 38mm, Height: 41mm,
Capacity: 30ml, Purity: , Quantity: , 5 pcs

AL608540 Shape: **Classic**, Outside Diameter: 42mm,
Inside Diameter: 38mm, Height: 48mm,
Capacity: 45ml, Purity: , Quantity: , 5 pcs

AL608550 Shape: **Classic**, Outside Diameter: 52mm,
Inside Diameter: 47mm, Height: 62mm,
Capacity: 80ml, Purity: , Quantity: , 5 pcs

AL608560 Shape: **Classic**, Outside Diameter: 59mm,
Inside Diameter: 54mm, Height: 61mm,
Capacity: 95ml, Purity: , Quantity: , 5 pcs

AL608570 Shape: **Classic**, Outside Diameter: 80mm,
Inside Diameter: 73mm, Height: 90mm,
Capacity: 280ml, Purity: , Quantity: , 5 pcs

AL608580 Shape: **Classic**, Outside Diameter: 81mm,
Inside Diameter: 74mm, Height: 107mm,
Capacity: 350ml, Purity: , Quantity: , 5 pcs

AL608590 Shape: **Classic**, Outside Diameter: 96mm,
Inside Diameter: 90mm, Height: 145mm,
Capacity: 700ml, Purity: , Quantity: , 5 pcs

AL608902 Shape: **Cylindrical**, Outside Diameter: 5.5mm,
Inside Diameter: 4.5mm, Height: 4mm, Capacity:
0.05ml, Purity: , Quantity: , 5 pcs

AL608904 Shape: **Cylindrical**, Outside Diameter: 6mm,
Inside Diameter: 5mm, Height: 4mm, Capacity:
0.09ml, Purity: , Quantity: , 5 pcs

AL608908 Shape: **Cylindrical**, Outside Diameter: 10mm,
Inside Diameter: 7.5mm, Height: 40mm,
Capacity: 1ml, Purity: , Quantity: , 5 pcs

AL608906 Shape: **Cylindrical**, Outside Diameter: 12mm,
Inside Diameter: 9.5mm, Height: 14mm,
Capacity: 0.6ml, Purity: , Quantity: , 5 pcs

AL608910 Shape: **Cylindrical**, Outside Diameter: 12mm,
Inside Diameter: 9.5mm, Height: 18mm,
Capacity: 0.85ml, Purity: , Quantity: , 5 pcs

AL608912 Shape: **Cylindrical**, Outside Diameter: 13mm,
Inside Diameter: 10.5mm, Height: 25mm,
Capacity: 2ml, Purity: , Quantity: , 5 pcs

AL608914 Shape: **Cylindrical**, Outside Diameter: 16mm,
Inside Diameter: 13.5mm, Height: 21mm,
Capacity: 2.5ml, Purity: , Quantity: , 5 pcs

AL608916 Shape: **Cylindrical**, Outside Diameter: 19mm,
Inside Diameter: 16.5mm, Height: 20mm,
Capacity: 3.7ml, Purity: , Quantity: , 5 pcs

AL608920 Shape: **Cylindrical**, Outside Diameter: 21mm,
Inside Diameter: 18mm, Height: 25mm,
Capacity: 5ml, Purity: , Quantity: , 5 pcs

AL608928 Shape: **Cylindrical**, Outside Diameter: 22mm,
Inside Diameter: 19mm, Height: 80mm,
Capacity: 20ml, Purity: , Quantity: , 5 pcs

AL608924 Shape: **Cylindrical**, Outside Diameter: 25mm,
Inside Diameter: 22mm, Height: 50mm,
Capacity: 15ml, Purity: , Quantity: , 5 pcs

AL608918 Shape: **Cylindrical**, Outside Diameter: 25.5mm,
Inside Diameter: 22mm, Height: 14mm,
Capacity: 4.5ml, Purity: , Quantity: , 5 pcs

AL608922 Shape: **Cylindrical**, Outside Diameter: 27mm,
Inside Diameter: 23.5mm, Height: 32mm,
Capacity: 10ml, Purity: , Quantity: , 5 pcs

Ceramics

AL608936 Shape: **Cylindrical**, Outside Diameter: 29mm, Inside Diameter: 25.5mm, Height: 67mm, Capacity: 38ml, Purity: , Quantity: : 5 pcs

AL608934 Shape: **Cylindrical**, Outside Diameter: 33mm, Inside Diameter: 28.5mm, Height: 46mm, Capacity: 30ml, Purity: , Quantity: : 5 pcs

AL608942 Shape: **Cylindrical**, Outside Diameter: 33mm, Inside Diameter: 28.5mm, Height: 90mm, Capacity: 60ml, Purity: , Quantity: : 5 pcs

AL608938 Shape: **Cylindrical**, Outside Diameter: 33mm, Inside Diameter: 29mm, Height: 64mm, Capacity: 40ml, Purity: , Quantity: : 5 pcs

AL608930 Shape: **Cylindrical**, Outside Diameter: 33mm, Inside Diameter: 29.5mm, Height: 33mm, Capacity: 20ml, Purity: , Quantity: : 5 pcs

AL608926 Shape: **Cylindrical**, Outside Diameter: 34mm, Inside Diameter: 29.5mm, Height: 110mm, Capacity: 65ml, Purity: , Quantity: : 5 pcs

AL608946 Shape: **Cylindrical**, Outside Diameter: 39mm, Inside Diameter: 34mm, Height: 90mm, Capacity: 75ml, Purity: , Quantity: : 5 pcs

AL608944 Shape: **Cylindrical**, Outside Diameter: 42mm, Inside Diameter: 37.5mm, Height: 56mm, Capacity: 75ml, Purity: , Quantity: : 5 pcs

AL608932 Shape: **Cylindrical**, Outside Diameter: 42mm, Inside Diameter: 38mm, Height: 33mm, Capacity: 27ml, Purity: , Quantity: : 5 pcs

AL608952 Shape: **Cylindrical**, Outside Diameter: 43mm, Inside Diameter: 38mm, Height: 106mm, Capacity: 110ml, Purity: , Quantity: : 5 pcs

AL608940 Shape: **Cylindrical**, Outside Diameter: 47mm, Inside Diameter: 42mm, Height: 49mm, Capacity: 55ml, Purity: , Quantity: : 5 pcs

AL608948 Shape: **Cylindrical**, Outside Diameter: 47mm, Inside Diameter: 42mm, Height: 65mm, Capacity: 80ml, Purity: , Quantity: : 5 pcs

AL608950 Shape: **Cylindrical**, Outside Diameter: 49mm, Inside Diameter: 44mm, Height: 80mm, Capacity: 105ml, Purity: , Quantity: : 5 pcs

AL608956 Shape: **Cylindrical**, Outside Diameter: 56mm, Inside Diameter: 51mm, Height: 98mm, Capacity: 175ml, Purity: , Quantity: : 5 pcs

AL608962 Shape: **Cylindrical**, Outside Diameter: 60mm, Inside Diameter: 54mm, Height: 120mm, Capacity: 280ml, Purity: , Quantity: : 5 pcs

AL608954 Shape: **Cylindrical**, Outside Diameter: 62mm, Inside Diameter: 56.5mm, Height: 62mm, Capacity: 140ml, Purity: , Quantity: : 5 pcs

AL608960 Shape: **Cylindrical**, Outside Diameter: 63mm, Inside Diameter: 57.5mm, Height: 107mm, Capacity: 230ml, Purity: , Quantity: : 5 pcs

AL608958 Shape: **Cylindrical**, Outside Diameter: 68mm, Inside Diameter: 62mm, Height: 71mm, Capacity: 200ml, Purity: , Quantity: : 5 pcs

AL608966 Shape: **Cylindrical**, Outside Diameter: 69mm, Inside Diameter: 62mm, Height: 105mm, Capacity: 340ml, Purity: , Quantity: : 5 pcs

AL608964 Shape: **Cylindrical**, Outside Diameter: 80mm, Inside Diameter: 73mm, Height: 85mm, Capacity: 300ml, Purity: , Quantity: : 5 pcs

AL608968 Shape: **Cylindrical**, Outside Diameter: 92mm, Inside Diameter: 85mm, Height: 80mm, Capacity: 420ml, Purity: , Quantity: : 5 pcs

AL608970 Shape: **Cylindrical**, Outside Diameter: 92mm, Inside Diameter: 85mm, Height: 100mm, Capacity: 500ml, Purity: , Quantity: : 5 pcs

AL608972 Shape: **Cylindrical**, Outside Diameter: 110mm, Inside Diameter: 92mm, Height: 135mm, Capacity: 830ml, Purity: , Quantity: : 5 pcs

AL608974 Shape: **Cylindrical**, Outside Diameter: 112mm, Inside Diameter: 102mm, Height: 168mm, Capacity: 1300ml, Purity: , Quantity: : 5 pcs

AL608976 Shape: **Cylindrical**, Outside Diameter: 126mm, Inside Diameter: 118mm, Height: 167mm, Capacity: 1900ml, Purity: , Quantity: : 5 pcs

AL608610 Shape: **Round, shallow, straight sides**, Outside Diameter: 42mm, Height: 14.5mm, Capacity: 12ml, Purity: , Quantity: : 5 pcs

AL608615 Shape: **Round, shallow, straight sides**, Outside Diameter: 52mm, Height: 14mm, Capacity: 22ml, Purity: , Quantity: : 5 pcs

AL608620 Shape: **Round, shallow, straight sides**, Outside Diameter: 50mm, Height: 25mm, Capacity: 35ml, Purity: , Quantity: : 5 pcs

AL608625 Shape: **Round, shallow, straight sides**, Outside Diameter: 62mm, Height: 18mm, Capacity: 35ml, Purity: , Quantity: : 5 pcs

AL608630 Shape: **Round, shallow, straight sides**, Outside Diameter: 69mm, Height: 23mm, Capacity: 60ml, Purity: , Quantity: : 5 pcs

AL608635 Shape: **Round, shallow, straight sides**, Outside Diameter: 62mm, Height: 40mm, Capacity: 80ml, Purity: , Quantity: : 5 pcs

AL608640 Shape: **Round, shallow, straight sides**, Outside Diameter: 81mm, Height: 28mm, Capacity: 120ml, Purity: , Quantity: : 5 pcs

AL608645 Shape: **Round, shallow, straight sides**, Outside Diameter: 115mm, Height: 22mm, Capacity: 180ml, Purity: , Quantity: : 5 pcs

AL608650 Shape: **Round, shallow, straight sides**, Outside Diameter: 84mm, Height: 54mm, Capacity: 240ml, Purity: , Quantity: : 5 pcs

AL608655 Shape: **Round, shallow, straight sides**, Outside Diameter: 94mm, Height: 54mm, Capacity: 280ml, Purity: , Quantity: : 5 pcs

AL608660 Shape: **Round, shallow, straight sides**, Outside Diameter: 120mm, Height: 40mm, Capacity: 300ml, Purity: , Quantity: : 5 pcs



Powder

AL606021 Mean Particle size: **0.02micron**, Condition: Nanopowder, Condition: 99.95% Gamma Alumina powder.

AL606022 Max. Particle size: **0.1micron**, Condition: 99.99% Gamma Alumina powder.

AL606010 Mean Particle size: **45micron**, Purity: 99.9%



Lump

AL606103 Max. Lump size: **3mm**, Condition: Pellets, Phase: Gamma



Granule

AL606300 Nominal Granule Size: **2mm**, Purity: 99.99%



Sphere

AL606810 Diameter: **0.5mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: 0.625 μm , Condition: Polished, Grade: Precision Sphere, Condition: Grade 25

AL606815 Diameter: **1.0mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: 0.625 μm , Condition: Polished, Grade: Precision Sphere, Condition: Grade 25

AL606906 Diameter: **2-4mm**, Wall Thickness: 0.3-0.6mm, Condition: Hollow

Ceramics

- AL606820** Diameter: **3.0mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
- AL606825** Diameter: **5.0mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
- AL606860** Diameter: **6.0mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
- AL606863** Diameter: **7.5mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
- AL606864** Diameter: **7.9375mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
- AL606865** Diameter: **8.0mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
- AL606869** Diameter: **9.525mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
- AL606870** Diameter: **10.0mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
- AL606890** Diameter: **18mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
- AL606895** Diameter: **20mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25

Alumina (Al_2O_3 99.5)



Sputtering Target

AL659306 Thickness: **3.15mm**, Size: 62 mm

Alumina Toughened Zirconia (ATZ - ZrO_2 / Al_2O_3)



Powder

ZR686020 Max. Particle size: **1micron**

Alumina/Silica (Al_2O_3 80/ SiO_2 20)



Fiber

AJ615720 Tex Number: **205**, Filament diameter: 0.01mm, Number of filaments: 960

Alumina/Silica (Al_2O_3 85/ SiO_2 15)



Crucible

AJ658505 Shape: **Cylindrical**, Outside Diameter: 25mm, Inside Diameter: 23mm, Height: 70mm, Quantity, : 5 pcs

Alumina/Silica/Boria (Al_2O_3 70/ SiO_2 28/ B_2O_3 2)

Nextel® 440



Fiber

AJ625710 Tex Number: **110**, Filament diameter: 0.011mm, Number of filaments: 390, Grade: Nextel 440®

Alumina/Silica/Boria (Al_2O_3 62/ SiO_2 24/ B_2O_3 14)

Nextel® 312



Fabric

AL623541 Weight.m⁻²: **400g**, Coil width: 25.4mm, Thickness: 0.41mm, Warp Yarn: 200Tex, Weft Yarn: 200Tex, Weave: Plain, Length: 1 m to 5 m



Fiber

AL625710 Tex Number: **100**, Filament diameter: 0.011mm, Number of filaments: 390, Grade: Nextel 312®

AL625720 Tex Number: **500**, Number of filaments: , Number of yarns: 6, Grade: Nextel 312®, Thread diameter: 0.7mm nominal

AL625725 Tex Number: **680**, Number of filaments: , Number of yarns: 8, Grade: Nextel 312®, Thread diameter: 0.8mm nominal

Alumino-silicate Glass (SiO_2 57/ Al_2O_3 36/ CaO / MgO / BaO)



Sheet

SI693060 Thickness: **6 mm**, Condition: Porous Alumino-Silicate, Diameter: 50 mm

SI693100 Thickness: **10 mm**, Condition: Porous Alumino-Silicate, Size: 150x150 mm

SI693150 Thickness: **15 mm**, Condition: Porous Alumino-Silicate, Size: 300x300 mm

SI693200 Thickness: **20 mm**, Condition: Porous Alumino-Silicate, Size: 300x300 mm



Tube

SI697070 Outside Diameter: **1.78mm**, Wall Thickness: 0.34mm, Inside Diameter: 1.1mm, Length: 100 mm to 750 mm

SI697290 Outside Diameter: **29mm**, Wall Thickness: 8mm, Inside Diameter: 13mm, Condition: Porous Alumino-Silicate, Length: 114 mm to 250 mm

SI697380 Outside Diameter: **38mm**, Wall Thickness: 6.5mm, Inside Diameter: 25mm, Condition: Porcelain Mullite, Length: 250 mm

SI697294 Outside Diameter: **59mm**, Wall Thickness: 13.5mm, Inside Diameter: 32mm, Condition: Porous Alumino-Silicate, Length: 254 mm

SI697298 Outside Diameter: **70mm**, Wall Thickness: 9.5mm, Inside Diameter: 51mm, Condition: Porous Alumino-Silicate, Length: 152 mm to 305 mm

Aluminum Nitride (AlN)



Sheet

AL643010 Thickness: **0.075mm**, Condition: Translucent, Size: 20x20 mm

AL643125 Thickness: **0.125mm**, Condition: Translucent, Polished both sides: Polish : 0.025 - 0.05 μm Ra, Size: 25x25 mm

AL643064 Thickness: **0.64mm**, Condition: Translucent, Size: 25x25 mm to 50x50 mm

AL643200 Thickness: **2.0mm**, Condition: Translucent, Diameter: 9.6 mm



Powder

AL646005 Max. Particle size: **0.02micron**, Purity: 99.5 + %, Condition: Nanopowder

Ceramics

AL646010 Mean Particle size (FSSS): **1.4micron**, Purity: 99.5+ %

Aluminum Nitride - Machinable (AlN / BN)

Shapal™-M soft, Shapal™ Hi-M soft



Sheet

AK613006 Thickness: **0.6mm**, Grade: Shapal™-M soft, Size: 50x50 mm

AK613306 Thickness: **0.6mm**, Grade: Shapal™ Hi-M soft, Size: 50x50 mm

AK613011 Thickness: **1mm**, Grade: Shapal™-M soft, Diameter: 24 mm

AK613311 Thickness: **1mm**, Grade: Shapal™ Hi-M soft, Diameter: 24 mm

AK613010 Thickness: **1mm**, Grade: Shapal™-M soft, Size: 50x50 mm to 100x100 mm

AK613310 Thickness: **1mm**, Grade: Shapal™ Hi-M soft, Size: 50x50 mm to 100x100 mm

AK613030 Thickness: **3mm**, Grade: Shapal™-M soft, Size: 50x50 mm

AK613330 Thickness: **3mm**, Grade: Shapal™ Hi-M soft, Size: 50x50 mm to 100x100 mm

AK613050 Thickness: **5mm**, Grade: Shapal™-M soft, Size: 25x25 mm to 50x50 mm

AK613350 Thickness: **5mm**, Grade: Shapal™ Hi-M soft, Size: 25x25 mm to 100x100 mm

AK613100 Thickness: **10mm**, Grade: Shapal™-M soft, Size: 25x25 mm

AK613300 Thickness: **10mm**, Grade: Shapal™ Hi-M soft, Size: 25x25 mm to 100x100 mm



Rod

AK617906 Diameter: **6.0mm**, Grade: Shapal™-M soft, Length: 50 mm

AK617956 Diameter: **6.0mm**, Grade: Shapal™ Hi-M soft, Length: 50 mm to 100 mm

AK617910 Diameter: **10mm**, Grade: Shapal™-M soft, Length: 25 mm to 300 mm

AK617960 Diameter: **10mm**, Grade: Shapal™ Hi-M soft, Length: 25 mm to 300 mm

AK617920 Diameter: **20mm**, Grade: Shapal™-M soft, Length: 25 mm to 100 mm

AK617970 Diameter: **20mm**, Grade: Shapal™ Hi-M soft, Length: 25 mm to 100 mm

Aluminum Nitride - Machinable (BNP-2) (AlN / BN)



Sheet

AK623030 Thickness: **3mm**, Grade: BNP-2, Size: 50x50 mm to 100x100 mm

AK623050 Thickness: **5mm**, Grade: BNP-2, Size: 50x50 mm to 100x100 mm

AK623100 Thickness: **10mm**, Grade: BNP-2, Size: 50x50 mm to 100x100 mm



Rod

AK627905 Diameter: **5mm**, Grade: BNP-2, Length: 50 mm to 100 mm

AK627910 Diameter: **10mm**, Grade: BNP-2, Length: 50 mm to 200 mm

AK627920 Diameter: **20mm**, Grade: BNP-2, Length: 50 mm to 200 mm

Barium Cerate - Yttrium doped (10 mol% Yttrium) (BaCe0.9Y0.1O3-d (BCY-10))



Lump

BA606105 Max. Lump size: **5mm**, Condition: Fuel cell pellets

Barium Cerate - Yttrium doped (20 mol% Yttrium) (BaCe0.8Y0.2O3-d (BCY-20))



Lump

BA616105 Max. Lump size: **5mm**, Condition: Fuel cell pellets

Beryllia (BeO 99.5)



Sheet

BE603050 Thickness: **0.5mm**, Size: 14.5x14.5 mm to 25x25 mm

BE603051 Thickness: **0.5mm**, Diameter: 23 mm

BE603055 Thickness: **0.5mm**, Size: 50x50 mm

BE603100 Thickness: **1.0mm**, Size: 12x12 mm to 25x25 mm

BE603110 Thickness: **1.0mm**, Size: 50x50 mm

BE603150 Thickness: **1.5mm**, Size: 25x25 mm

BE603200 Thickness: **2.0mm**, Size: 25x25 mm

BE603210 Thickness: **2.0mm**, Size: 50x50 mm

BE603400 Thickness: **4.0mm**, Size: 25x25 mm

BE603410 Thickness: **4.0mm**, Size: 50x50 mm



Rod

BE607910 Diameter: **1.0mm**, Length: 150 mm

BE607930 Diameter: **3.0mm**, Length: 150 mm

BE607950 Diameter: **5.0mm**, Length: 150 mm

BE607980 Diameter: **10.0mm**, Length: 150 mm

Boron Carbide (B₄C)



Powder

B 626010 Max. Particle size: **45micron**, Purity: 99%



Granule

B 626300 Nominal Granule Size: **5mm**

Boron Carbide - Hot-pressed (B₄C)



Sheet

B 613200 Thickness: **0.5mm**, Size: 25x25 mm

B 613205 Thickness: **1.0mm**, Size: 25x25 mm

B 613210 Thickness: **2.0mm**, Size: 50x50 mm

B 613410 Thickness: **4.0mm**, Size: 50x50 mm



Sputtering Target

B 619300 Thickness: **3.0mm**, Size: 50 mm to 76.2 mm

B 619400 Thickness: **4.0mm**, Size: 30 mm

B 619635 Thickness: **6.45mm**, Condition: Binder free, Size: 76.2 mm

Ceramics



Rod

- B 617905** Diameter: **6.0mm**, Length: 10 mm
B 617906 Diameter: **6.0mm**, Length: 100 mm

Boron Nitride (BN)



Sheet

- B 603110** Thickness: **0.20mm**, Condition: Hot-pressed, Size: 5x5 mm
B 603151 Thickness: **0.5mm**, Condition: Hot-pressed, Diameter: 30 mm
B 603150 Thickness: **0.5mm**, Condition: Hot-pressed, Size: 100x100 mm
B 603175 Thickness: **1.0mm**, Condition: Hot-pressed, Diameter: 13 mm to 20 mm
B 603120 Thickness: **1.0mm**, Condition: Pyrolytic, Size: 25x25 mm
B 603121 Thickness: **1.0mm**, Condition: Pyrolytic, Size: 50x50 mm
B 603200 Thickness: **2.0mm**, Condition: Hot-pressed, Size: 25x25 mm
B 603220 Thickness: **2.0 mm**, Condition: Hot isostatic pressed, Size: 25x25 mm
B 603210 Thickness: **2.0mm**, Condition: Hot-pressed, Condition: Binder free, Grade: AX05, Size: 47x250 mm
B 603201 Thickness: **2.0mm**, Condition: Hot-pressed, Size: 50x50 mm
B 603202 Thickness: **2.0mm**, Condition: Hot-pressed, Diameter: 40 mm to 50 mm
B 603221 Thickness: **2.0 mm**, Condition: Hot isostatic pressed, Size: 50x50 mm
B 603203 Thickness: **2.0mm**, Condition: Hot-pressed, Size: 100x100 mm to 100x200 mm
B 603400 Thickness: **4.0mm**, Condition: Hot-pressed, Size: 25x25 mm
B 603401 Thickness: **4.0mm**, Condition: Hot-pressed, Size: 50x50 mm
B 603402 Thickness: **4.0mm**, Condition: Hot-pressed, Size: 300x300 mm



Sputtering Target

- B 609300** Thickness: **3.0 mm**, Condition: Hot isostatic pressed, Size: 25.4 mm to 76.2 mm



Rod

- B 607905** Diameter: **3.0mm**, Condition: Hot-pressed, Length: 100 mm
B 607907 Diameter: **3.6mm**, Condition: Hot-pressed, Length: 100 mm
B 607906 Diameter: **4.0mm**, Condition: Hot-pressed, Length: 100 mm
B 607910 Diameter: **6.4mm**, Condition: Hot-pressed, Length: 100 mm to 200 mm
B 607915 Diameter: **9.0mm**, Condition: Hot-pressed, Length: 25 mm to 200 mm
B 607920 Diameter: **12.7mm**, Condition: Hot-pressed, Length: 25 mm to 200 mm
B 607930 Diameter: **15mm**, Condition: Hot-pressed, Length: 25 mm to 100 mm
B 607940 Diameter: **20mm**, Condition: Hot-pressed, Length: 25 mm to 200 mm
B 607950 Diameter: **25.4mm**, Condition: Hot-pressed, Length: 25 mm to 100 mm

- B 607955** Diameter: **32mm**, Condition: Hot-pressed, Length: 25 mm to 100 mm



Tube

- B 607050** Outside Diameter: **4.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 2mm, Condition: Hot-pressed, Length: 100 mm
B 607100 Outside Diameter: **6.4mm**, Wall Thickness: 2.35mm, Inside Diameter: 1.7mm, Condition: Hot-pressed, Length: 100 mm
B 607101 Outside Diameter: **6.4mm**, Wall Thickness: 2.35mm, Inside Diameter: 1.7mm, Condition: Hot-pressed, Length: 50 mm
B 607120 Outside Diameter: **16mm**, Wall Thickness: 2.5mm, Inside Diameter: 11mm, Condition: Hot-pressed, Length: 50 mm

Cerium Oxide - Gadolinium doped (20 mol% Gd) (Gd_{0.2}Ce_{0.8}O_{2-d} (20-GDC))



Lump

- CE606105** Max. Lump size: **5 mm**, Condition: Fuel cell pellets

Duratec 750[®] Machinable Ceramic (CaSiO₃)



Sheet

- DU603006** Thickness: **6mm**, Size: 295x300 mm
DU603010 Thickness: **10mm**, Size: 295x300 mm
DU603015 Thickness: **15mm**, Size: 295x300 mm
DU603020 Thickness: **20mm**, Size: 295x300 mm
DU603025 Thickness: **25mm**, Size: 295x300 mm
DU603040 Thickness: **40mm**, Size: 120x300 mm



Rod

- DU607925** Diameter: **25mm**, Length: 300 mm
DU607940 Diameter: **40mm**, Length: 300 mm
DU607950 Diameter: **50mm**, Length: 300 mm



Bar

- DU608125** Side Length: **25mm**, Side Length (of longer side): 25mm, Length: 300 mm
DU608140 Side Length: **40mm**, Side Length (of longer side): 40mm, Length: 300 mm
DU608150 Side Length: **50mm**, Side Length (of longer side): 50mm, Length: 300 mm

Lanthanum Strontium Cobalt Ferrite (LSCF)



Lump

- LA616105** Max. Lump size: **5 mm**, Condition: Fuel cell pellets

Lanthanum Strontium Cobaltite (LSC)



Lump

- LA606105** Max. Lump size: **5 mm**, Condition: Fuel cell pellets

Ceramics

Leachable Ceramic (SiO₂ 50/ZrSiO₄ 40/Al₂O₃ 10)



Rod

- SI657915** Diameter: **1.5mm**, Length: 25 mm to 50 mm
- SI657925** Diameter: **2.5mm**, Length: 50 mm to 150 mm
- SI657950** Diameter: **5.0mm**, Length: 47 mm to 150 mm
- SI657975** Diameter: **10.0mm**, Length: 150 mm



Tube

- SI657120** Outside Diameter: **6.0mm**, Wall Thickness: 2.0mm, Inside Diameter: 2mm, Length: 150 mm
- SI657322** Outside Diameter: **16.0mm**, Wall Thickness: 5.75mm, Inside Diameter: 4.5mm, Length: 150 mm
- SI657320** Outside Diameter: **16.0mm**, Wall Thickness: 5.0mm, Inside Diameter: 6mm, Length: 50 mm to 100 mm
- SI657500** Outside Diameter: **25.0mm**, Wall Thickness: 8.3mm, Inside Diameter: 8.4mm, Length: 150 mm

Magnesium Oxide (MgO)



Rod

- MG607920** Diameter: **6.35mm**, Stabilized with: 3% Yttria, Length: 135 mm to 275 mm



Crucible

- MG608511** Shape: **Cylindrical**, Outside Diameter: 11mm, Inside Diameter: 7mm, Height: 30mm, Quantity: 5 pcs

Magnesium Silicate (MgSiO₃)



Powder

- MG626010** Max. Particle size: **10micron**

Peridot (Mg₂Fe₂/SiO₄)



Powder

- MG646010** Max. Particle size: **100micron**, Condition: Gemstone powder

Potassium Aluminosilicate (Muscovite Mica)



Sheet

- K 603011** Thickness: **0.012mm**, Condition: Clear Ruby, Size: 25x25 mm to 50x50 mm
- K 603012** Thickness: **0.012mm**, Condition: Clear Ruby, Size: 100x100 mm
- K 603016** Thickness: **0.016mm**, Condition: Clear Ruby, Size: 25x25 mm to 100x100 mm
- K 603020** Thickness: **0.020mm**, Condition: Clear Ruby, Size: 25x25 mm to 100x100 mm
- K 603025** Thickness: **0.025mm**, Condition: Clear Ruby, Size: 25x25 mm to 100x100 mm
- K 603050** Thickness: **0.050mm**, Condition: Clear Ruby, Size: 25x25 mm to 100x100 mm
- K 603100** Thickness: **0.10mm**, Condition: Clear Ruby, Size: 25x25 mm to 100x100 mm
- K 603151** Thickness: **0.15mm**, Condition: Clear Ruby, Diameter: 12 mm

- K 603153** Thickness: **0.15mm**, Condition: Clear Ruby, Diameter: 8 mm
- K 603152** Thickness: **0.15mm**, Condition: Clear Ruby, Diameter: 16 mm
- K 603150** Thickness: **0.15mm**, Condition: Clear Ruby, Size: 25x25 mm to 100x100 mm
- K 603155** Thickness: **0.15mm**, Condition: Clear Green, Size: 200x200 mm
- K 603158** Thickness: **0.19mm**, Condition: Clear Ruby, Size: 100x100 mm
- K 603160** Thickness: **0.20mm**, Condition: Clear Ruby, Size: 50x50 mm

Pyrophyllite (Silica 56.8%, Alumina 33.4%, TiO₂, Fe₃O₄ +)



Powder

- TJ636050** Max. Particle size: **500micron**

Quartz - Fused (SiO₂)



Sheet

- SI613051** Thickness: **0.25 mm**, Condition: Polished both sides, Size: 25x25 mm to 50x50 mm
- SI613075** Thickness: **0.50 mm**, Condition: Polished both sides, Size: 10x10 mm
- SI613100** Thickness: **1.0 mm**, Condition: Polished both sides, Size: 20x20 mm to 25x25 mm
- SI613101** Thickness: **1.0 mm**, Condition: Polished both sides, Size: 50x50 mm
- SI613105** Thickness: **1.0 mm**, Condition: Polished both sides, Size: 150x150 mm
- SI613120** Thickness: **2.0 mm**, Condition: Polished both sides, Size: 25x25 mm
- SI613122** Thickness: **2.0 mm**, Condition: Polished both sides, Diameter: 23 mm
- SI613121** Thickness: **2.0 mm**, Condition: Polished both sides, Size: 50x50 mm
- SI613200** Thickness: **2.0mm**, Condition: Translucent, Size: 150x150 mm
- SI613205** Thickness: **2.0 mm**, Condition: Polished both sides, Size: 150x150 mm
- SI613206** Thickness: **2.5 mm**, Condition: Polished both sides, Size: 150x150 mm
- SI613140** Thickness: **3.0 mm**, Condition: Polished both sides, Size: 25x25 mm
- SI613145** Thickness: **3.0 mm**, Condition: Polished both sides, Size: 34x89 mm
- SI613142** Thickness: **3.0mm**, Condition: Ground, Size: 50x50 mm
- SI613141** Thickness: **3.0 mm**, Condition: Polished both sides, Size: 50x50 mm to 150x150 mm
- SI613300** Thickness: **6.0 mm**, Condition: Polished both sides, Diameter: 25 mm
- SI613305** Thickness: **6.35 mm**, Condition: Polished both sides, Diameter: 63.5 mm
- SI613320** Thickness: **16.0 mm**, Condition: Polished both sides, Diameter: 7.95 mm

Ceramics



Sputtering Target

- SI619301** Thickness: **3.0mm**, Purity: 99%, Size: 50 mm to 75 mm
- SI619300** Thickness: **3.0mm**, Purity: 99.995%, Size: 50.8 mm to 76.2 mm
- SI619601** Thickness: **6.0mm**, Purity: 99%, Size: 50 mm to 75 mm
- SI619600** Thickness: **6.0mm**, Purity: 99.995%, Size: 50 mm to 75 mm



Monofilament

- SI615910** Diameter: **0.1mm**



Rod

- SI617905** Diameter: **0.5mm**, Length: 50 mm
- SI617910** Diameter: **1.0mm**, Length: 100 mm to 1000 mm
- SI617920** Diameter: **2.0mm**, Length: 100 mm to 1000 mm
- SI617925** Diameter: **2.5mm**, Length: 400 mm
- SI617930** Diameter: **3.0mm**, Length: 100 mm to 1000 mm
- SI617950** Diameter: **5.0mm**, Length: 100 mm to 1000 mm
- SI617975** Diameter: **10.0mm**, Length: 100 mm to 1000 mm
- SI617978** Diameter: **12.0mm**, Length: 100 mm to 1000 mm
- SI617980** Diameter: **15.0mm**, Length: 100 mm to 1000 mm
- SI617990** Diameter: **20.0mm**, Length: 100 mm to 1000 mm



Tube

- SI617020** Outside Diameter: **0.7mm**, Wall Thickness: 0.1mm, Inside Diameter: 0.5mm, Length: 100 mm
- SI617028** Outside Diameter: **1.0mm**, Wall Thickness: 0.25mm, Inside Diameter: 0.5mm, Length: 60 mm
- SI617030** Outside Diameter: **1.0mm**, Wall Thickness: 0.1mm, Inside Diameter: 0.8mm, Length: 100 mm to 200 mm
- SI617040** Outside Diameter: **2.9mm**, Wall Thickness: 0.75mm, Inside Diameter: 1.4mm, Length: 100 mm to 1000 mm
- SI617041** Outside Diameter: **3.0mm**, Wall Thickness: 0.9mm, Inside Diameter: 1.2mm, Length: 200 mm to 300 mm
- SI617050** Outside Diameter: **4.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 2mm, Length: 100 mm to 1000 mm
- SI617080** Outside Diameter: **5.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 3mm, Length: 100 mm to 1000 mm
- SI617120** Outside Diameter: **6.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 4mm, Length: 100 mm to 200 mm
- SI617150** Outside Diameter: **7.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 5mm, Length: 100 mm to 1000 mm
- SI617180** Outside Diameter: **9.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 7mm, Length: 100 mm to 1000 mm
- SI617260** Outside Diameter: **12.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 10mm, Length: 100 mm to 1000 mm
- SI617280** Outside Diameter: **14mm**, Wall Thickness: 1.0mm, Inside Diameter: 12mm, Length: 100 mm to 1000 mm

- SI617361** Outside Diameter: **18.0mm**, Wall Thickness: 1.6mm, Inside Diameter: 14.8mm, Length: 100 mm to 1000 mm
- SI617360** Outside Diameter: **18.0mm**, Wall Thickness: 1.3mm, Inside Diameter: 15.4mm, Length: 195 mm to 200 mm
- SI617460** Outside Diameter: **23.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 20mm, Length: 100 mm to 1000 mm
- SI617480** Outside Diameter: **25mm**, Wall Thickness: 1.5mm, Inside Diameter: 22mm, Length: 100 mm to 900 mm
- SI617490** Outside Diameter: **28mm**, Wall Thickness: 1.5mm, Inside Diameter: 25mm, Length: 100 mm to 900 mm
- SI617550** Outside Diameter: **40mm**, Wall Thickness: 2mm, Inside Diameter: 36mm, Length: 100 mm to 1000 mm



Crucible

- SI618610** Shape: **Classic**, Outside Diameter: 28mm, Height: 30mm, Capacity: 10, Color: Clear, Quantity, : 1 pcs
- SI618615** Shape: **Classic**, Outside Diameter: 33mm, Height: 35mm, Capacity: 15, Color: Clear, Quantity, : 1 pcs
- SI618620** Shape: **Classic**, Outside Diameter: 36mm, Height: 38mm, Capacity: 20, Color: Clear, Quantity, : 1 pcs
- SI618630** Shape: **Classic**, Outside Diameter: 43mm, Height: 38mm, Capacity: 30, Color: Clear, Quantity, : 1 pcs
- SI618650** Shape: **Classic**, Outside Diameter: 51mm, Height: 51mm, Capacity: 50, Color: Clear, Quantity, : 1 pcs
- SI618695** Shape: **Classic**, Outside Diameter: 62mm, Height: 66mm, Capacity: 100, Color: Clear, Quantity, : 1 pcs
- SI618698** Shape: **Classic**, Outside Diameter: 79mm, Height: 82mm, Capacity: 150, Color: Clear, Quantity, : 1 pcs



Powder

- SI616010** Max. Particle size: **45micron**



Granule

- SI616301** Nominal Granule Size: **0.85-1.7mm**
- SI616302** Nominal Granule Size: **1 to 2mm**
- SI616303** Nominal Granule Size: **2 to 3mm**
- SI616304** Nominal Granule Size: **2 to 4mm**
- SI616300** Nominal Granule Size: **3mm**, Purity: 99.995%



Sphere

- SI616810** Diameter: **0.35mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: 0.625 μm , Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
- SI616815** Diameter: **0.80mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: 0.625 μm , Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
- SI616820** Diameter: **1.25mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: 0.625 μm , Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
- SI616822** Diameter: **1.50mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: 0.625 μm , Condition: Polished, Grade: Precision Sphere

Ceramics

SI616830 Diameter: **3.0mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25

Ruby (Al_2O_3 / Cr_2O_3 / Si_2O_3)



Sheet

AJ603100 Thickness: **1.0mm**, Condition: Single crystal, Cr_2O_3 content: 0.9%, Size: 20x20 mm

AJ603400 Thickness: **5.0mm**, Condition: Single crystal, Cr_2O_3 content: 0.9%, Size: 5x5 mm



Bar

AJ608020 Side Length: **2mm**, Side Length (of longer side): 2mm, Length: 12 mm



Powder

AJ606010 Max. Particle size: **45micron**, Cr_2O_3 content: 0.1%



Sphere

AJ606808 Diameter: **0.127mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25

AJ606811 Diameter: **0.16mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25

AJ606815 Diameter: **0.3mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25

AJ606820 Diameter: **0.5mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25

AJ606825 Diameter: **1.0mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25

AJ606830 Diameter: **1.5mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25

AJ606835 Diameter: **2.0mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25

AJ606840 Diameter: **3.0mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25

AJ606845 Diameter: **4.0mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25

AJ606860 Diameter: **6.0mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25

Sapphire (Al_2O_3 99.9)



Sheet

AL663010 Thickness: **0.10 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1 μm Ra, Diameter: 12 mm

AL663026 Thickness: **0.25 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1 μm Ra, Diameter: 12 mm

AL663024 Thickness: **0.25 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1 μm Ra, Size: 8x8 mm

AL663025 Thickness: **0.25 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1 μm Ra, Size: 25x25 mm

AL663030 Thickness: **0.3 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1 μm Ra, Diameter: 9.5 mm

AL663050 Thickness: **0.5 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1 μm Ra, Diameter: 12 mm to 25 mm

AL663051 Thickness: **0.5 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1 μm Ra, Size: 10x10 mm to 50x50 mm

AL663060 Thickness: **0.635 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1 μm Ra, Diameter: 12 mm

AL663101 Thickness: **1.0 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1 μm Ra, Size: 25x25 mm to 40x40 mm

AL663100 Thickness: **1.0 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1 μm Ra, Diameter: 8 mm to 30 mm

AL663120 Thickness: **2.0 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1 μm Ra, Diameter: 4 mm

AL663121 Thickness: **2.0 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1 μm Ra, Diameter: 20 mm

AL663245 Thickness: **3.0 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1 μm Ra, Diameter: 8 mm

AL663250 Thickness: **3.0 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1 μm Ra, Diameter: 25 mm

AL663300 Thickness: **6.35 mm**, Condition: Single crystal - Random orientation, Polished both sides: Polish : 0.05 - 0.1 μm Ra, Diameter: 25 mm



Monofilament

AL665905 Diameter: **0.075mm**, Grade: Structural

AL665920 Diameter: **0.125mm**, Grade: Structural

AL665922 Diameter: **0.165mm**, Grade: Structural

AL665925 Diameter: **0.185mm**, Grade: Structural

AL665927 Diameter: **0.215mm**, Grade: Structural

AL665930 Diameter: **0.25mm**, Grade: Structural



Rod

AL667915 Diameter: **1.5mm**, Condition: Ground, Length: 15 mm

AL667920 Diameter: **2.0mm**, Length: 50 mm

AL667940 Diameter: **4.0mm**, Length: 50 mm

AL667968 Diameter: **6.8mm**, Condition: Ground, Condition: Polished both ends, Length: 50 mm



Powder

AL666010 Max. Particle size: **60micron**

Ceramics



Sphere

- AL666801** Diameter: **0.25mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
- AL666802** Diameter: **0.5mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
- AL666800** Diameter: **0.79375mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
- AL666803** Diameter: **1.0mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
- AL666804** Diameter: **1.25mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
- AL666805** Diameter: **1.5mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
- AL666808** Diameter: **2.0mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
- AL666810** Diameter: **3mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
- AL666812** Diameter: **4mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
- AL666815** Diameter: **5mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
- AL666820** Diameter: **6mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
- AL666825** Diameter: **10mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: $0.625\mu\text{m}$, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25

Silicon Carbide (SiC)

Nicalon



Sheet

- SI673230** Thickness: **3mm**, Outside diameter: 101.6mm, Diameter: 101.6 mm
- SI673250** Thickness: **4mm**, Condition: Direct sintered, Size: 50x50 mm



Foam

- SI673800** Thickness: **50mm**, Bulk density: 0.29g.cm^{-3} , Porosity: 91%, Pores/cm: 24, Size: 93 mm



Fiber

- SI675721** Tex Number: **209**, Filament diameter: 0.015mm, Number of filaments: 500



Monofilament

- SI675920** Diameter: **0.1 mm**, Core: Tungsten 0.01mm diameter
- SI675930** Diameter: **0.1 mm**, Core: Tungsten 0.01mm diameter



Tube

- SI677017** Outside Diameter: **17mm**, Wall Thickness: 2mm, Inside Diameter: 13mm, Length: 450 mm



Powder

- SI676021** Mean Particle size: **0.1-1micron**, Purity: 99.0%, Phase: Alpha

SI676010 Max. Particle size: **75micron**, Purity: 98.7%

Silicon Carbide - Hot-pressed (SiC)



Sheet

SJ603209 Thickness: **2.0mm**, Size: 10x10 mm

SJ603210 Thickness: **2.0mm**, Size: 50x50 mm



Sputtering Target

SJ609150 Thickness: **1.5mm**, Size: 20 mm

SJ609300 Thickness: **3.0mm**, Size: 25 mm to 75 mm



Granule

SJ606300 Nominal Granule Size: **1mm**

Silicon Carbide - Reaction Bonded (SiC)

REFEL F®



Sheet

SI643251 Thickness: **5mm**, Size: 50x50 mm

SI643250 Thickness: **5.0mm**, Condition: Ground, Size: 50x50 mm

SI643300 Thickness: **6.0mm**, Condition: Ground, Size: 50x50 mm



Rod

SI647950 Diameter: **5.0mm**, Length: 100 mm to 200 mm

SI647975 Diameter: **10.0mm**, Length: 100 mm to 200 mm

SI647990 Diameter: **15.0mm**, Length: 50 mm



Tube

SI647250 Outside Diameter: **10.0mm**, Wall Thickness: 2.8mm, Inside Diameter: 4.4mm, Length: 45 mm to 150 mm

SI647350 Outside Diameter: **15.0mm**, Wall Thickness: 4.0mm, Inside Diameter: 7mm, Length: 150 mm

Silicon Nitride (Si₃N₄)



Powder

SI686020 Max. Particle size: **10micron**, Condition: Alpha Si₃N₄ (85% minimum)

Silicon Nitride - Gas Pressure Sintered (Si₃N₄)



Sheet

SJ653060 Thickness: **6mm**, Size: 47x47 mm

Silicon Nitride - Hot-pressed (Si₃N₄)



Sputtering Target

SJ619300 Thickness: **3.0mm**, Condition: Hot-pressed, Size: 25.4 mm to 76.2 mm

SJ619600 Thickness: **6.0mm**, Condition: Hot-pressed, Size: 25.4 mm to 76.2 mm

Ceramics

Silicon Nitride - Reaction Bonded (Si₃N₄)

NITRASIL® R



Sheet

SI633603 Thickness: **0.32mm**, Thermal Conductivity: High - 100 W/mK, Roughness: < 1µm Ra (As Fired), Size: 100x100 mm

SI633110 Thickness: **1.0mm**, Size: 50x50 mm

SI633210 Thickness: **2.0mm**, Size: 50x50 mm

SI633220 Thickness: **2.0mm**, Size: 100x100 mm

SI633400 Thickness: **4.0mm**, Size: 25x25 mm

SI633410 Thickness: **4.0mm**, Size: 50x50 mm

SI633420 Thickness: **4.0mm**, Size: 100x100 mm



Rod

SI637920 Diameter: **2.0mm**, Length: 100 mm

SI637950 Diameter: **5.0mm**, Length: 100 mm

SI637975 Diameter: **10.0mm**, Length: 150 mm



Tube

SI637250 Outside Diameter: **5.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 3mm, Length: 100 mm

SI637400 Outside Diameter: **8.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 5mm, Length: 100 mm

SI637500 Outside Diameter: **10.0mm**, Wall Thickness: 2.5mm, Inside Diameter: 5mm, Length: 150 mm



Sphere

SI636810 Diameter: **3mm**, Tolerance: ±2.5µm, Sphericity: 0.625µm, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25

SI636820 Diameter: **6mm**, Tolerance: ±2.5µm, Sphericity: 0.625µm, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25

SI636840 Diameter: **10mm**, Tolerance: ±2.5µm, Sphericity: 0.625µm, Condition: Polished, Grade: Precision Sphere, Condition: Grade 25

Silicon Nitride/Aluminum Nitride/Aluminum Oxide (Sialon)

Syalon®



Sheet

SY603200 Thickness: **2.0mm**, Size: 25x25 mm

SY603210 Thickness: **2.0mm**, Size: 50x50 mm

SY603400 Thickness: **4.0mm**, Size: 25x25 mm

SY603410 Thickness: **4.0mm**, Size: 50x50 mm

Silicon carbide/Silica/Alumina (SiC 65/SiO₂ 17/Al₂O₃ 14)



Foam

AJ673810 Thickness: **10mm**, Bulk density: 0.55g.cm⁻³, Pores/cm: 24, Size: 100x100 mm

Silicon carbide/Silica/Alumina/Magnesia (SiC 90/SiO₂ 7/Al₂O₃ 1.5)



Foam

SJ683810 Thickness: **10mm**, Bulk density: 0.46g.cm⁻³, Pores/cm: 24, Size: 100x100 mm

Superwool® (Silica/Calcium/Magnesia)



Sheet

SU603010 Thickness: **10mm**, Grade: HT, Size: 295x295 mm

SU603025 Thickness: **25mm**, Grade: HT, Size: 300x300 mm



Non-Woven Fabric

SU603702 Weight.m⁻²: **420g**, Coil width: 500mm, Thickness: 2mm, Length: 20m, Density: 210kg.m⁻³, Grade: HT, Type: Paper, Length: 1 rolls

SU603706 Weight.m⁻²: **768g**, Coil width: 610mm, Thickness: 6mm, Length: 5.5m, Density: 128kg.m⁻³, Grade: HT, Type: Blanket, Length: 1 rolls to 5 rolls

SU603704 Weight.m⁻²: **840g**, Coil width: 500mm, Thickness: 4mm, Length: 10m, Density: 210kg.m⁻³, Grade: HT, Type: Paper, Length: 1 rolls to 5 rolls

SU603713 Weight.m⁻²: **1664g**, Coil width: 610mm, Thickness: 13mm, Length: 14.64m, Density: 128kg.m⁻³, Grade: HT, Type: Blanket, Length: 1 rolls to 5 rolls

SU603725 Weight.m⁻²: **3200g**, Coil width: 610mm, Thickness: 25mm, Length: 7.32m, Density: 128kg.m⁻³, Grade: HT, Type: Blanket, Length: 1 rolls to 5 rolls

Titanium Diboride (TiB₂)



Sheet

TI613300 Thickness: **3.0mm**, Size: 25x25 mm



Sputtering Target

TI619600 Thickness: **6mm**, Size: 50 mm

Titanium Dioxide (TiO₂ 99.6%)



Sheet

TI603200 Thickness: **2.0mm**, Size: 25x25 mm

TI603300 Thickness: **3.0mm**, Size: 25x25 mm



Sputtering Target

TI609300 Thickness: **3mm**, Size: 25.4 mm to 76.2 mm

TI609600 Thickness: **6.35mm**, Size: 50.8 mm to 76.2 mm



Powder

TI606010 Max. Particle size: **45micron**



Single Crystal

TI602010 Oriented: **(100)**, Thickness: 1mm, Condition: Polished on 1 side, Size: 1x10x10 mm

TI602008 Oriented: **(111)**, Thickness: 1mm, Diameter: 8mm, Condition: Polished on both sides

Ceramics

Tungsten Carbide/Cobalt (WC 94/Co 6)



Sheet

- W 603100** Thickness: **1.0mm**, Size: 100x100 mm
W 603200 Thickness: **2.0mm**, Size: 25x25 mm
W 603400 Thickness: **5.0mm**, Size: 25x25 mm



Sputtering Target

- W 609300** Thickness: **3mm**, Size: 50.8 mm



Wire

- W 605130** Diameter: **0.25mm**, Condition: Straight wire



Rod

- W 607900** Diameter: **0.5mm**, Length: 30 mm
W 607902 Diameter: **2.0mm**, Length: 100 mm to 150 mm
W 607905 Diameter: **3.0mm**, Length: 150 mm
W 607907 Diameter: **4.0mm**, Condition: Ground, Length: 100 mm
W 607910 Diameter: **6.35mm**, Length: 150 mm
W 607915 Diameter: **12mm**, Condition: Ground, Length: 100 mm



Tube

- W 607120** Outside Diameter: **0.5mm**, Wall Thickness: 0.2mm, Inside Diameter: 0.1mm, Condition: Centerless ground, Length: 150 mm
W 607140 Outside Diameter: **1.0mm**, Wall Thickness: 0.3mm, Inside Diameter: 0.4mm, Condition: Centerless ground, Length: 150 mm
W 607160 Outside Diameter: **2.0mm**, Wall Thickness: 0.6mm, Inside Diameter: 0.8mm, Condition: Centerless ground, Length: 150 mm



Sphere

- W 606801** Diameter: **0.2mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: 0.625 μm , Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
W 606802 Diameter: **0.25mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: 0.625 μm , Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
W 606803 Diameter: **0.30mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: 0.625 μm , Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
W 606804 Diameter: **0.35mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: 0.625 μm , Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
W 606805 Diameter: **0.40mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: 0.625 μm , Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
W 606810 Diameter: **3.0mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: 0.625 μm , Condition: Polished, Grade: Precision Sphere, Condition: Grade 25
W 606840 Diameter: **6.0mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: 0.625 μm , Condition: Polished, Grade: Precision Sphere, Condition: Grade 25

Tungsten Carbide/Cobalt (Co 10%) (WC90/Co10)



Rod

- W 617905** Diameter: **5mm**, Length: 100 mm

Vycor® 7913 (SiO₂ 96)

VYCOR®



Sheet

- SI623010** Thickness: **0.5mm**, Size: 5x5 mm to 10x10 mm
SI623320 Thickness: **3.2mm**, Size: 25x25 mm to 50x50 mm
SI623063 Thickness: **6.35mm**, Size: 150x150 mm

Wurtzite Boron Nitride (w-BN)



Powder

- B 656010** Max. Particle size: **10micron**, Condition: Polycrystalline

Yttrium Oxide (Y₂O₃)



Sheet

- Y 603010** Thickness: **0.5mm**, Diameter: 10 mm
Y 603020 Thickness: **2.0mm**, Diameter: 10 mm
Y 603030 Thickness: **3.0mm**, Diameter: 10 mm
Y 603060 Thickness: **6.0mm**, Diameter: 10 mm



Powder

- Y 606030** Mean Particle size: **5-10micron**, Purity: 99.9%

Zinc Oxide/Aluminium Oxide (ZnO 99/Al₂O₃ 1)



Sputtering Target

- ZN619300** Thickness: **3.0mm**, Size: 25.4 mm

Zinc Oxide/Aluminium Oxide (ZnO 96/Al₂O₃ 4)



Sputtering Target

- ZN629300** Thickness: **3.0mm**, Size: 25.4 mm

Zinc Oxide/Aluminum Oxide (ZnO 98/Al₂O₃ 2)



Sputtering Target

- ZN609300** Thickness: **3.0mm**, Size: 25.4 mm
ZN609500 Thickness: **5.0mm**, Size: 25 mm
ZN609600 Thickness: **6.35mm**, Size: 51 mm

Zirconia - stabilized with Magnesia (ZrO₂/MgO)



Sheet

- ZR623020** Thickness: **2.15mm**, Stabilized with: 4% Magnesia, Size: 50x50 mm
ZR623040 Thickness: **4.0mm**, Stabilized with: 4% Magnesia, Size: 50x50 mm
ZR623080 Thickness: **8.0mm**, Stabilized with: 4% Magnesia, Size: 53x77 mm



Rod

- ZR627905** Diameter: **5.0mm**, Stabilized with: 4% Magnesia, Length: 50 mm to 100 mm
ZR627910 Diameter: **10.0mm**, Stabilized with: 4% Magnesia, Length: 50 mm to 100 mm

Ceramics



Powder

ZR626010 Mean Particle size: **0.8micron**, Stabilized with: 2.8% Magnesia

Zirconia - stabilized with Yttria (ZrO₂/Y₂O₃)



Sheet

ZR613051 Thickness: **0.5mm**, Stabilized with: 5% Yttria, Size: 25x25 mm

ZR613052 Thickness: **0.5mm**, Stabilized with: 5% Yttria, Size: 100x100 mm

ZR613076 Thickness: **0.75mm**, Stabilized with: 5% Yttria, Size: 25x25 mm

ZR613100 Thickness: **1.0mm**, Stabilized with: 3% Yttria, Size: 10x10 mm

ZR613101 Thickness: **1.0mm**, Stabilized with: 5% Yttria, Size: 25x25 mm



Sputtering Target

ZR619200 Thickness: **2.0mm**, Condition: Hot-pressed, Size: 15 mm

ZR619300 Thickness: **3.0mm**, Condition: Hot-pressed, Size: 50.8 mm

ZR619301 Thickness: **3.0mm**, Condition: Pressed, Size: 50.8 mm

ZR619600 Thickness: **6.0mm**, Condition: Hot-pressed, Size: 50.8 mm to 76.2 mm



Non-Woven Fabric

ZR613710 Weight.m⁻²: **310g**, Thickness: 1.3mm, Stabilized with: 8% Yttria, Size: 150x150 mm to 450x600 mm

ZR613720 Weight.m⁻²: **600g**, Thickness: 2.5mm, Stabilized with: 8% Yttria, Size: 150x150 mm to 450x600 mm



Tube

ZR617251 Outside Diameter: **3.5mm**, Wall Thickness: 0.25mm, Inside Diameter: 3.0mm, Length: 100 mm



Bolt

ZR61BO21 Size: **M2 x 10mm**, Head Style: Hexagonal, Pitch: 0.4mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs

ZR61BO20 Size: **M2 x 5mm**, Head Style: Hexagonal, Pitch: 0.4mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs

ZR61BO31 Size: **M3 x 10mm**, Head Style: Hexagonal, Pitch: 0.5mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs

ZR61BO30 Size: **M3 x 5mm**, Head Style: Hexagonal, Pitch: 0.5mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs

ZR61BO41 Size: **M4 x 10mm**, Head Style: Hexagonal, Pitch: 0.7mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs

ZR61BO44 Size: **M4 x 25mm**, Head Style: Hexagonal, Pitch: 0.7mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs

ZR61BO55 Size: **M5 x 30mm**, Head Style: Hexagonal, Pitch: 0.8mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs

ZR61BO63 Size: **M6 x 20mm**, Head Style: Hexagonal, Pitch: 1.0mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs

ZR61BO65 Size: **M6 x 30mm**, Head Style: Hexagonal, Pitch: 1.0mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs

ZR61BO69 Size: **M6 x 50mm**, Head Style: Hexagonal, Pitch: 1.0mm, Standard: ANSI B18.6.7M-1985, Quantity: 10 pcs



Nut

ZR61NU02 Size: **M2**, Style: Hexagonal, Pitch: 0.4, Standard: ANSI B18.2.4.1M-1979 (R1995), Quantity: 10 pcs

ZR61NU03 Size: **M3**, Style: Hexagonal, Pitch: 0.5, Standard: ANSI B18.2.4.1M-1979 (R1995), Quantity: 10 pcs

ZR61NU04 Size: **M4**, Style: Hexagonal, Pitch: 0.7, Standard: ANSI B18.2.4.1M-1979 (R1995), Quantity: 10 pcs

ZR61NU05 Size: **M5**, Style: Hexagonal, Pitch: 0.8, Standard: ANSI B18.2.4.1M-1979 (R1995), Quantity: 10 pcs

ZR61NU06 Size: **M6**, Style: Hexagonal, Pitch: 1.0, Standard: ANSI B18.2.4.1M-1979 (R1995), Quantity: 10 pcs



Washer

ZR61WA02 Size: **M2 (ANSI)**, Outside Diameter: 5.70 - 6.00mm, Inside Diameter: 2.50 - 2.64mm, Thickness: 0.60 - 0.90mm, Standard: ANSI B18.22M-1981, R1990 (Reg), Quantity: 10 pcs

ZR61WA03 Size: **M3 (ANSI)**, Outside Diameter: 9.64 - 10.00mm, Inside Diameter: 3.50 - 3.68mm, Thickness: 0.80 - 1.20mm, Standard: ANSI B18.22M-1981, R1990 (Reg), Quantity: 10 pcs

ZR61WA04 Size: **M4 (ANSI)**, Outside Diameter: 11.57 - 12.00mm, Inside Diameter: 4.70 - 4.88mm, Thickness: 1.00 - 1.40mm, Standard: ANSI B18.22M-1981, R1990 (Reg), Quantity: 10 pcs

ZR61WA05 Size: **M5 (ANSI)**, Outside Diameter: 14.57 - 15.00mm, Inside Diameter: 5.50 - 5.78mm, Thickness: 1.20 - 1.75mm, Standard: ANSI B18.22M-1981, R1990 (Reg), Quantity: 10 pcs

ZR61WA06 Size: **M6 (ANSI)**, Outside Diameter: 18.37 - 18.80mm, Inside Diameter: 6.65 - 6.87mm, Thickness: 1.20 - 1.75mm, Standard: ANSI B18.22M-1981, R1990 (Reg), Quantity: 10 pcs



Crucible

ZR618510 Shape: **Classic**, Outside Diameter: 31mm, Inside Diameter: 28mm, Height: 25mm, Capacity: 7ml, Quantity: 5 pcs

ZR618520 Shape: **Classic**, Outside Diameter: 31mm, Inside Diameter: 28mm, Height: 28mm, Capacity: 14ml, Quantity: 5 pcs

ZR618530 Shape: **Classic**, Outside Diameter: 42mm, Inside Diameter: 38mm, Height: 41mm, Capacity: 30ml, Quantity: 5 pcs

ZR618540 Shape: **Classic**, Outside Diameter: 42mm, Inside Diameter: 38mm, Height: 48mm, Capacity: 45ml, Quantity: 5 pcs

ZR618550 Shape: **Classic**, Outside Diameter: 52mm, Inside Diameter: 47mm, Height: 62mm, Capacity: 80ml, Quantity: 5 pcs

ZR618560 Shape: **Classic**, Outside Diameter: 59mm, Inside Diameter: 54mm, Height: 61mm, Capacity: 95ml, Quantity: 5 pcs

Ceramics

ZR618570 Shape: Classic , Outside Diameter: 80mm, Inside Diameter: 73mm, Height: 90mm, Capacity: 280ml, Quantity, : 5 pcs	ZR618946 Shape: Cylindrical , Outside Diameter: 39mm, Inside Diameter: 34mm, Height: 90mm, Capacity: 75ml, Quantity, : 5 pcs
ZR618580 Shape: Classic , Outside Diameter: 81mm, Inside Diameter: 74mm, Height: 107mm, Capacity: 350ml, Quantity, : 5 pcs	ZR618944 Shape: Cylindrical , Outside Diameter: 42mm, Inside Diameter: 37.5mm, Height: 56mm, Capacity: 75ml, Quantity, : 5 pcs
ZR618590 Shape: Classic , Outside Diameter: 96mm, Inside Diameter: 90mm, Height: 145mm, Capacity: 700ml, Quantity, : 5 pcs	ZR618932 Shape: Cylindrical , Outside Diameter: 42mm, Inside Diameter: 38mm, Height: 33mm, Capacity: 27ml, Quantity, : 5 pcs
ZR618902 Shape: Cylindrical , Outside Diameter: 5.5mm, Inside Diameter: 4.5mm, Height: 4mm, Capacity: 0.05ml, Quantity, : 5 pcs	ZR618952 Shape: Cylindrical , Outside Diameter: 43mm, Inside Diameter: 38mm, Height: 106mm, Capacity: 110ml, Quantity, : 5 pcs
ZR618904 Shape: Cylindrical , Outside Diameter: 6mm, Inside Diameter: 5mm, Height: 4mm, Capacity: 0.09ml, Quantity, : 5 pcs	ZR618940 Shape: Cylindrical , Outside Diameter: 47mm, Inside Diameter: 42mm, Height: 49mm, Capacity: 55ml, Quantity, : 5 pcs
ZR618908 Shape: Cylindrical , Outside Diameter: 10mm, Inside Diameter: 7.5mm, Height: 40mm, Capacity: 1ml, Quantity, : 5 pcs	ZR618948 Shape: Cylindrical , Outside Diameter: 47mm, Inside Diameter: 42mm, Height: 65mm, Capacity: 80ml, Quantity, : 5 pcs
ZR618906 Shape: Cylindrical , Outside Diameter: 12mm, Inside Diameter: 9.5mm, Height: 14mm, Capacity: 0.6ml, Quantity, : 5 pcs	ZR618950 Shape: Cylindrical , Outside Diameter: 49mm, Inside Diameter: 44mm, Height: 80mm, Capacity: 105ml, Quantity, : 5 pcs
ZR618910 Shape: Cylindrical , Outside Diameter: 12mm, Inside Diameter: 9.5mm, Height: 18mm, Capacity: 0.85ml, Quantity, : 5 pcs	ZR618956 Shape: Cylindrical , Outside Diameter: 56mm, Inside Diameter: 51mm, Height: 98mm, Capacity: 175ml, Quantity, : 5 pcs
ZR618912 Shape: Cylindrical , Outside Diameter: 13mm, Inside Diameter: 10.5mm, Height: 25mm, Capacity: 2ml, Quantity, : 5 pcs	ZR618962 Shape: Cylindrical , Outside Diameter: 60mm, Inside Diameter: 54mm, Height: 120mm, Capacity: 280ml, Quantity, : 5 pcs
ZR618914 Shape: Cylindrical , Outside Diameter: 16mm, Inside Diameter: 13.5mm, Height: 21mm, Capacity: 2.5ml, Quantity, : 5 pcs	ZR618954 Shape: Cylindrical , Outside Diameter: 62mm, Inside Diameter: 56.5mm, Height: 62mm, Capacity: 140ml, Quantity, : 5 pcs
ZR618916 Shape: Cylindrical , Outside Diameter: 19mm, Inside Diameter: 16.5mm, Height: 20mm, Capacity: 3.7ml, Quantity, : 5 pcs	ZR618960 Shape: Cylindrical , Outside Diameter: 63mm, Inside Diameter: 57.5mm, Height: 107mm, Capacity: 230ml, Quantity, : 5 pcs
ZR618920 Shape: Cylindrical , Outside Diameter: 21mm, Inside Diameter: 18mm, Height: 25mm, Capacity: 5ml, Quantity, : 5 pcs	ZR618958 Shape: Cylindrical , Outside Diameter: 68mm, Inside Diameter: 62mm, Height: 71mm, Capacity: 200ml, Quantity, : 5 pcs
ZR618928 Shape: Cylindrical , Outside Diameter: 22mm, Inside Diameter: 19mm, Height: 80mm, Capacity: 20ml, Quantity, : 5 pcs	ZR618966 Shape: Cylindrical , Outside Diameter: 69mm, Inside Diameter: 62mm, Height: 105mm, Capacity: 340ml, Quantity, : 5 pcs
ZR618924 Shape: Cylindrical , Outside Diameter: 25mm, Inside Diameter: 22mm, Height: 50mm, Capacity: 15ml, Quantity, : 5 pcs	ZR618964 Shape: Cylindrical , Outside Diameter: 80mm, Inside Diameter: 73mm, Height: 85mm, Capacity: 300ml, Quantity, : 5 pcs
ZR618918 Shape: Cylindrical , Outside Diameter: 25.5mm, Inside Diameter: 22mm, Height: 14mm, Capacity: 4.5ml, Quantity, : 5 pcs	ZR618968 Shape: Cylindrical , Outside Diameter: 92mm, Inside Diameter: 85mm, Height: 80mm, Capacity: 420ml, Quantity, : 5 pcs
ZR618922 Shape: Cylindrical , Outside Diameter: 27mm, Inside Diameter: 23.5mm, Height: 32mm, Capacity: 10ml, Quantity, : 5 pcs	ZR618970 Shape: Cylindrical , Outside Diameter: 92mm, Inside Diameter: 85mm, Height: 100mm, Capacity: 500ml, Quantity, : 5 pcs
ZR618936 Shape: Cylindrical , Outside Diameter: 29mm, Inside Diameter: 25.5mm, Height: 67mm, Capacity: 38ml, Quantity, : 5 pcs	ZR618972 Shape: Cylindrical , Outside Diameter: 110mm, Inside Diameter: 92mm, Height: 135mm, Capacity: 830ml, Quantity, : 5 pcs
ZR618934 Shape: Cylindrical , Outside Diameter: 33mm, Inside Diameter: 28.5mm, Height: 46mm, Capacity: 30ml, Quantity, : 5 pcs	ZR618974 Shape: Cylindrical , Outside Diameter: 112mm, Inside Diameter: 102mm, Height: 168mm, Capacity: 1300ml, Quantity, : 5 pcs
ZR618942 Shape: Cylindrical , Outside Diameter: 33mm, Inside Diameter: 28.5mm, Height: 90mm, Capacity: 60ml, Quantity, : 5 pcs	ZR618976 Shape: Cylindrical , Outside Diameter: 126mm, Inside Diameter: 118mm, Height: 167mm, Capacity: 1900ml, Quantity, : 5 pcs
ZR618938 Shape: Cylindrical , Outside Diameter: 33mm, Inside Diameter: 29mm, Height: 64mm, Capacity: 40ml, Quantity, : 5 pcs	ZR618615 Shape: Round, shallow, straight sides , Outside Diameter: 52mm, Inside Diameter: 14mm, Capacity: 22ml, Quantity, : 5 pcs
ZR618930 Shape: Cylindrical , Outside Diameter: 33mm, Inside Diameter: 29.5mm, Height: 33mm, Capacity: 20ml, Quantity, : 5 pcs	ZR618610 Shape: Round, shallow, straight sides , Outside Diameter: 42mm, Inside Diameter: 14.5mm, Capacity: 12ml, Quantity, : 5 pcs
ZR618926 Shape: Cylindrical , Outside Diameter: 34mm, Inside Diameter: 29.5mm, Height: 110mm, Capacity: 65ml, Quantity, : 5 pcs	ZR618625 Shape: Round, shallow, straight sides , Outside Diameter: 62mm, Inside Diameter: 18mm, Capacity: 35ml, Quantity, : 5 pcs

Ceramics

Ceramics — Zirconia - unstabilized

ZR618645 Shape: **Round, shallow, straight sides**, Outside Diameter: 115mm, Inside Diameter: 22mm, Capacity: 180ml, Quantity, : 5 pcs

ZR618630 Shape: **Round, shallow, straight sides**, Outside Diameter: 69mm, Inside Diameter: 23mm, Capacity: 60ml, Quantity, : 5 pcs

ZR618620 Shape: **Round, shallow, straight sides**, Outside Diameter: 50mm, Inside Diameter: 25mm, Capacity: 35ml, Quantity, : 5 pcs

ZR618640 Shape: **Round, shallow, straight sides**, Outside Diameter: 81mm, Inside Diameter: 28mm, Capacity: 120ml, Quantity, : 5 pcs

ZR618635 Shape: **Round, shallow, straight sides**, Outside Diameter: 62mm, Inside Diameter: 40mm, Capacity: 80ml, Quantity, : 5 pcs

ZR618660 Shape: **Round, shallow, straight sides**, Outside Diameter: 120mm, Inside Diameter: 40mm, Capacity: 300ml, Quantity, : 5 pcs

ZR618650 Shape: **Round, shallow, straight sides**, Outside Diameter: 84mm, Inside Diameter: 54mm, Capacity: 240ml, Quantity, : 5 pcs

ZR618655 Shape: **Round, shallow, straight sides**, Outside Diameter: 94mm, Inside Diameter: 54mm, Capacity: 280ml, Quantity, : 5 pcs



Powder

ZR616010 Mean Particle size: **0.1-2micron**, Stabilized with: 5.4% Yttria



Lump

ZR616100 Max. Lump size: **3mm**, Stabilized with: 3% Yttria, Condition: Nominal 2mm diameter grinding balls

ZR616105 Max. Lump size: **5mm**, Condition: Fuel cell pellets, Stabilized with: 8% Yttria



Granule

ZR616300 Nominal Granule Size: **2mm**, Stabilized with: 8% Yttria



Sphere

ZR616810 Diameter: **1.0mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: 0.625 μm , Condition: Polished, Grade: Precision Sphere, Condition: Grade 25

ZR616820 Diameter: **2.0mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: 0.625 μm , Condition: Polished, Grade: Precision Sphere, Condition: Grade 25

ZR616830 Diameter: **3.0mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: 0.625 μm , Condition: Polished, Grade: Precision Sphere, Condition: Grade 25

ZR616850 Diameter: **5.0mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: 0.625 μm , Condition: Polished, Grade: Precision Sphere, Condition: Grade 25

Zirconia - unstabilized (ZrO₂ 99)



Powder

ZR606010 Mean Particle size: **2micron**

Zirconia Toughened Alumina (ZTA - Al₂O₃ / ZrO₂)



Powder

AJ686020 Max. Particle size: **1micron**

Zirconium Oxide - Scandia Stabilized (10 mol%) (ScSZ-10)



Lump

ZR646105 Max. Lump size: **5mm**, Condition: Fuel cell pellets

Zirconium Phosphate machineable Ceramic (Ba Zr₄P₆O₂₄)



Sheet

ZR633200 Thickness: **12.7mm**, Size: 101x101 mm



Rod

ZR637900 Diameter: **12.7mm**, Length: 127 mm

Polymers

Acrylonitrile/Methylacrylate copolymer (Barex® - impact modified copolymer)

Barex



Sheet

AN303200 Thickness: **2mm**, Size: 60x60 mm



Granule

AN306300 Nominal Granule Size: **5mm**

Cellulose (Regenerated Cellulose)

Cellophane, Rayophane



Film

AC321020 Thickness: **0.021mm**, Coil width: 250mm, Length: 0.5 m to 10 m

AC321030 Thickness: **0.031mm**, Coil width: 400mm, Length: 0.5 m to 10 m

AC321040 Thickness: **0.042mm**, Size: 520x610 mm

AC321088 Thickness: **0.09mm**, Condition: Vegetable parchment, Coating: Uncoated, Coil width 600 mm, Size: 300x300 mm

AC321090 Thickness: **0.09mm**, Condition: Vegetable parchment, Condition: Silicone coated on both sides, Coil width 600 mm, Size: 300x300 mm



Fiber

AC325717 Tex Number: **16.7**, Number of filaments: 60, Condition: Medium Tenacity

Cellulose Acetate (CA)

Clarifoil, Dexel, Tenite Acetate



Film

AC311020 Thickness: **0.020mm**, Color: Clear, Size: 200x300 mm

AC311024 Thickness: **0.024mm**, Color: Clear, Size: 200x300 mm

AC311025 Thickness: **0.025mm**, Coil width: 300mm, Length: 1 m to 20 m

AC311035 Thickness: **0.035mm**, Color: Clear, Condition: Biopolymer, Condition: Biodegradable, Coil width 1290 mm, Size: 100x100 mm to 600x600 mm

AC311050 Thickness: **0.050mm**, Coil width 735 mm, Size: 300x300 mm

AC311051 Thickness: **0.050mm**, Color: Clear, Condition: Biopolymer, Condition: Biodegradable, Coil width 1350 mm, Size: 150x150 mm to 600x600 mm

AC311075 Thickness: **0.075mm**, Coil width 610 mm, Size: 150x150 mm to 300x300 mm

AC311100 Thickness: **0.10mm**, Color: Clear, Condition: Biopolymer, Condition: Biodegradable, Coil width 1350 mm, Size: 150x150 mm to 600x600 mm

AC311200 Thickness: **0.20mm**, Coil width 640 mm, Size: 150x150 mm to 300x300 mm

AC311250 Thickness: **0.25mm**, Coil width 610 mm, Size: 150x150 mm to 610x610 mm

AC311400 Thickness: **0.5mm**, Size: 150x150 mm to 600x600 mm



Metallized Film

AC311850 Thickness: **0.05mm**, Coil width: 300mm, Ohms/Square: 0.2, Metallized with: Aluminum, Length: 0.5 m to 10 m

Cellulose Acetate Butyrate (CAB)

Cellidor B, Tenite Butyrate



Sheet

AC303025 Thickness: **0.25mm**, Size: 100x100 mm to 250x250 mm

AC303050 Thickness: **0.5mm**, Size: 250x250 mm to 500x500 mm

AC303076 Thickness: **0.760mm**, Color: Clear, Size: 100x100 mm to 500x500 mm

AC303075 Thickness: **0.762mm**, Condition: Light-control sheet, Size: 25x25 mm to 300x300 mm

AC303080 Thickness: **0.762mm**, Condition: Light-control sheet, Size: 25x25 mm to 300x300 mm

AC303085 Thickness: **0.8mm**, Size: 250x250 mm to 500x500 mm

AC303100 Thickness: **1mm**, Size: 300x300 mm to 605x605 mm



Tube

AC307300 Outside Diameter: **3.0mm**, Wall Thickness: 0.75mm, Inside Diameter: 1.5mm, Length: 1200 mm



Granule

AC306300 Nominal Granule Size: **3mm**, Color: Natural

Cyclo-olefin copolymer (Topas®)



Granule

ET356301 Nominal Granule Size: **3mm**, Grade: Topas® 5013L-10

ET356302 Nominal Granule Size: **3mm**, Color: Natural, Grade: Topas® 5013S-04

ET356300 Nominal Granule Size: **4mm**

Ethylene-Chlorotrifluoroethylene copolymer (E-CTFE)

Halar



Film

FP331125 Thickness: **0.0125mm**, Coil width 610 mm, Size: 150x150 mm to 300x300 mm

FP331250 Thickness: **0.025mm**, Coil width 610 mm, Size: 150x150 mm to 300x300 mm

FP331300 Thickness: **0.125mm**, Coil width 610 mm, Size: 150x150 mm to 300x300 mm

Ethylene-Tetrafluoroethylene Copolymer (ETFE)

Tefzel, Hostafon ET



Film

FP361025 Thickness: **0.025mm**, Coil width 300 mm, Size: 150x150 mm to 300x300 mm

FP361125 Thickness: **0.125mm**, Coil width 610 mm, Size: 150x150 mm to 300x300 mm

FP361250 Thickness: **0.25mm**, Coil width 650 mm, Size: 100x100 mm to 650x650 mm

Polymers



Mesh

FP368703 Nominal Aperture: **85µm**, Monofil diameter: 80µm, Threads/cm: 60.7, Open area: 26.5%, Type: Plain weave mesh, Size: 250x250 mm to 500x500 mm

FP368705 Nominal Aperture: **300µm**, Monofil diameter: 200µm, Threads/cm: 20, Open area: 36%, Type: Plain weave mesh, Size: 250x250 mm to 500x500 mm

FP368710 Nominal Aperture: **1000µm**, Monofil diameter: 500µm, Threads/cm: 6.7, Open area: 44%, Type: Plain weave mesh, Size: 250x250 mm to 500x500 mm



Rod

FP367920 Diameter: **11mm**, Length: 100 mm to 900 mm

FP367930 Diameter: **19mm**, Length: 100 mm to 900 mm

FP367990 Diameter: **80mm**, Length: 25 mm to 50 mm

Flax (Flax)



Fabric

FL303510 Weight.m⁻²: **420g**, Coil width: 1250mm, Weave: 2x2 Twill, Length: 0.5 m

FL303515 Weight.m⁻²: **510g**, Coil width: 1250mm, Weave: 4x4 Hopsack, Length: 0.5 m

FL303520 Weight.m⁻²: **600g**, Coil width: 1270mm, Weave: +/-45 biaxial, Length: 0.5 m

Flax/MAPP (40% Flax / MAPP)



Fabric

FL333510 Weight.m⁻²: **420g**, Coil width: 1250mm, Weave: 2x2 Twill, Length: 0.5 m

FL333515 Weight.m⁻²: **530g**, Coil width: 1250mm, Weave: 4x4 Hopsack, Length: 0.5 m

Flax/PLA (40% Flax / PLA)



Fabric

FL313510 Weight.m⁻²: **420g**, Coil width: 1250mm, Weave: 2x2 Twill, Length: 0.5 m

FL313515 Weight.m⁻²: **530g**, Coil width: 1250mm, Weave: 4x4 Hopsack, Length: 0.5 m

Flax/PP (40% Flax / PP)



Fabric

FL323510 Weight.m⁻²: **420g**, Coil width: 1250mm, Weave: 2x2 Twill, Length: 0.5 m

FL323515 Weight.m⁻²: **530g**, Coil width: 1250mm, Weave: 4x4 Hopsack, Length: 0.5 m

Fluorinated Ethylene Propylene Copolymer (FEP)

Hostaflon FEP



Film

FP341013 Thickness: **0.0125mm**, Color: Natural, Coil width 305 mm, Size: 150x150 mm to 300x300 mm

FP341025 Thickness: **0.025mm**, Coil width 300 mm, Size: 150x150 mm to 300x300 mm

FP341050 Thickness: **0.05mm**, Coil width 610 mm, Size: 150x150 mm to 300x300 mm

FP341075 Thickness: **0.075mm**, Coil width 610 mm, Size: 150x150 mm to 300x300 mm

FP341100 Thickness: **0.1mm**, Coil width 600 mm, Size: 150x150 mm to 300x300 mm

FP341150 Thickness: **0.125mm**, Coil width 610 mm, Size: 150x150 mm to 300x300 mm

FP341250 Thickness: **0.25mm**, Coil width 600 mm, Size: 150x150 mm to 300x300 mm

FP341400 Thickness: **0.5mm**, Coil width 590 mm, Size: 150x150 mm to 300x300 mm

FP341440 Thickness: **1.0mm**, Size: 150x150 mm to 600x600 mm

FP341470 Thickness: **2.3mm**, Size: 150x150 mm to 300x300 mm



Sheet

FP343300 Thickness: **3mm**, Size: 150x150 mm



Monofilament

FP345925 Diameter: **0.28mm**

FP345971 Diameter: **0.71mm**, Tolerance: +/-0.05 mm, Color: Natural



Rod

FP347905 Diameter: **3mm**, Length: 300 mm to 900 mm

FP347910 Diameter: **9.5mm**, Length: 300 mm to 900 mm

FP347930 Diameter: **25mm**, Length: 100 mm to 500 mm

Hexafluoropropylene-vinylidene fluoride copolymer (FKM)

Fluorel



Sheet

FV313050 Thickness: **0.5mm**, Color: Black, Type: Semi-conducting, Size: 250x250 mm to 500x500 mm

FV313051 Thickness: **0.5mm**, Tolerance: 20 %, Color: Green, Type: Non-conducting, Size: 150x150 mm

FV313100 Thickness: **1.0mm**, Tolerance: 20 %, Color: Black, Type: Semi-conducting, Size: 200x200 mm to 1000x1000 mm

FV313150 Thickness: **1.5mm**, Tolerance: 20 %, Color: White, Type: Non-conducting, Size: 150x150 mm to 300x300 mm

FV313300 Thickness: **3.0mm**, Color: Black, Type: Semi-conducting, Size: 150x185 mm to 300x300 mm



Sphere

FV316820 Diameter: **3.18mm**, Tolerance: ±0.08mm, Sphericity: 0.04mm, Color: Black, Type: Semi-conducting, Grade: Precision Sphere

Natural Latex Rubber (Latex)



Tube

NL307300 Outside Diameter: **9.5mm**, Wall Thickness: 1.5mm, Inside Diameter: 6.5mm, Length: 1 m

Poly L lactic acid - Biopolymer (PLLA)



Film

ME331050 Thickness: **0.05mm**, Condition: Biopolymer, Condition: Biodegradable, Coil width 330 mm, Size: 150x150 mm to 300x300 mm

Polymers

Polyacrylamide/acrylate (Hydrogel)

Aridall, Broadleaf, Hydrogel



Granule

AC336310 Nominal Granule Size: 2.5mm

Polyacrylonitrile (PAN)



Powder

AN316010 Mean Particle size: 50micron, Condition: Copolymer (99.5% AN / 0.5% MA)

AN316020 Mean Particle size: 50micron, Bulk density: 0.34 - 0.39 g.cm⁻³, Condition: Copolymer (93.9% AN / 5.8% MA/ 0.3 % MS), Molecular weight: 85,000 g/mol

Polyacrylonitrile-butadiene-styrene (ABS)

Cyclocac, Lustran, Novodur, Ronfalin



Sheet

AB303090 Thickness: 0.85mm, Color: White, Size: 100x100 mm to 350x350 mm

AB303100 Thickness: 1.0mm, Color: Black, Size: 150x150 mm to 600x600 mm

AB303101 Thickness: 1mm, Color: White, Size: 100x100 mm to 660x660 mm

AB303150 Thickness: 1.5mm, Color: White, Size: 150x150 mm to 600x600 mm

AB303159 Thickness: 1.59mm, Color: White, Size: 100x100 mm to 600x600 mm

AB303200 Thickness: 2.00mm, Color: Black, Size: 100x100 mm

AB303201 Thickness: 2.00mm, Color: White, Size: 100x100 mm

AB303300 Thickness: 3.0mm, Color: White, Size: 150x150 mm to 600x600 mm

AB303400 Thickness: 6.0mm, Color: White, Size: 150x150 mm to 600x600 mm



Rod

AB307910 Diameter: 10mm, Color: Natural, Length: 100 mm to 1000 mm

AB307913 Diameter: 12.7mm, Color: Natural, Length: 100 mm to 1200 mm

AB307925 Diameter: 25mm, Tolerance: +0.2/+1.2 mm, Color: Gray, Length: 100 mm to 1000 mm

AB307930 Diameter: 30mm, Color: Gray, Length: 100 mm to 200 mm

Polyamide - Nylon 4, 6 (PA 4,6)

Stanyl



Film

AM341025 Thickness: 0.025mm, Size: 100x100 mm to 600x600 mm



Sheet

AM343100 Thickness: 10mm, Size: 150x150 mm to 300x300 mm



Fiber

AM345724 Tex Number: 24, Number of filaments: 36, Condition: High Tenacity



Rod

AM347910 Diameter: 10mm, Length: 100 mm to 1000 mm

AM347925 Diameter: 50mm, Length: 50 mm to 500 mm

Polyamide - Nylon 6 (PA 6)

Akulon K and F, Capron, Maranyl B, Nylacast, Orgamid, Ultramid B



Film

AM301015 Thickness: 0.015mm, Color: Colorless, Oriented: Uni-axially oriented, Coil width 600 mm, Size: 100x100 mm to 600x600 mm

AM301025 Thickness: 0.025mm, Color: Light blue, Condition: Heat stabilized, Coil width 500 mm, Size: 100x100 mm to 300x300 mm

AM301026 Thickness: 0.025mm, Color: Colorless, Oriented: Uni-axially oriented, Coil width 600 mm, Size: 100x100 mm to 600x600 mm

AM301052 Thickness: 0.06mm, Coil width: 605mm, Color: Natural, Length: 1 m

AM301051 Thickness: 0.060mm, Color: Natural, Coil width 914.4 mm, Size: 150x150 mm to 900x900 mm

AM301075 Thickness: 0.075mm, Condition: Crystalline, Coil width 600 mm, Size: 100x100 mm to 600x600 mm

AM301100 Thickness: 0.1mm, Color: Translucent, Condition: Semi-crystalline, Size: 150x150 mm to 300x300 mm

AM301170 Thickness: 0.17mm, Coil width 200 mm, Size: 100x100 mm to 200x200 mm

AM301200 Thickness: 0.2mm, Coil width: 190mm, Length: 0.5 m to 10 m

AM301350 Thickness: 0.35mm, Coil width 200 mm, Size: 100x100 mm to 200x200 mm

AM301400 Thickness: 0.5mm, Color: Natural, Coil width 605 mm, Size: 300x300 mm to 600x600 mm



Sheet

AM303010 Thickness: 1mm, Size: 100x100 mm to 500x500 mm

AM303020 Thickness: 2mm, Size: 250x250 mm to 500x500 mm

AM303025 Thickness: 3.0mm, Size: 250x250 mm to 500x500 mm

AM303050 Thickness: 5mm, Size: 150x150 mm to 300x300 mm

AM303100 Thickness: 10mm, Size: 100x100 mm to 500x500 mm

AM303300 Thickness: 10mm, Condition: Oil-filled Nylon '6', Size: 100x100 mm to 300x300 mm



Monofilament

AM305915 Diameter: 0.15 mm, Condition: Nylon 6/66 copolymer

AM305925 Diameter: 0.25 mm, Condition: Nylon 6/66 copolymer

AM305938 Diameter: 0.35 mm, Condition: Nylon 6/66 copolymer

AM305950 Diameter: 0.5 mm, Condition: Nylon 6/66 copolymer

AM305970 Diameter: 0.7 mm, Condition: Nylon 6/66 copolymer

AM305990 Diameter: 1.0 mm, Condition: Nylon 6/66 copolymer

AM305992 Diameter: 1.2 mm, Condition: Nylon 6/66 copolymer

AM305994 Diameter: 1.4 mm, Condition: Nylon 6/66 copolymer

Polymers



Rod

- AM307902** Diameter: **2mm**, Length: 1000 mm
- AM307903** Diameter: **3mm**, Length: 1000 mm
- AM307905** Diameter: **5mm**, Tolerance: +0.1/+0.6 mm, Color: Natural, Length: 1000 mm
- AM307907** Diameter: **6mm**, Color: Black, Contains: 3-5% MoS₂, Length: 1000 mm
- AM307910** Diameter: **10mm**, Length: 1000 mm
- AM307913** Diameter: **10mm**, Color: Black, Contains: 3-5% MoS₂, Length: 500 mm to 1000 mm
- AM307914** Diameter: **15mm**, Length: 1000 mm
- AM307917** Diameter: **20mm**, Length: 500 mm to 1000 mm
- AM307916** Diameter: **25mm**, Length: 500 mm to 1000 mm
- AM307918** Diameter: **25mm**, Color: Black, Contains: 3-5% MoS₂, Length: 100 mm to 1000 mm
- AM307928** Diameter: **50mm**, Condition: Oil-filled Nylon '6', Length: 100 mm to 1000 mm
- AM307926** Diameter: **50mm**, Length: 200 mm to 1000 mm
- AM307950** Diameter: **100mm**, Condition: Oil-filled Nylon '6', Length: 100 mm to 1000 mm
- AM307951** Diameter: **100mm**, Length: 100 mm to 500 mm
- AM307975** Diameter: **150mm**, Condition: Oil-filled Nylon '6', Length: 50 mm to 500 mm
- AM307990** Diameter: **150mm**, Length: 50 mm to 1000 mm



Tube

- AM307013** Outside Diameter: **1.34mm**, Wall Thickness: 0.17mm, Inside Diameter: 1.0mm, Length, : 1 m to 20 m
- AM307027** Outside Diameter: **2.77mm**, Wall Thickness: 0.45mm, Inside Diameter: 1.87mm, Length, : 1 m to 20 m
- AM307030** Outside Diameter: **3.1mm**, Wall Thickness: 0.6mm, Inside Diameter: 1.9mm, Length, : 1 m to 20 m



Powder

- AM306010** Max. Particle size: **50micron**, Min. Particle size: 5micron, Mean Particle size: 15-20micron



Granule

- AM306321** Nominal Granule Size: **3mm**, Color: Natural
- AM306300** Nominal Granule Size: **3mm**, Condition: Additive free polymer, Color: Natural, Molecular weight: 10,000 g/mol

Polyamide - Nylon 6 - 30% Glass Fiber Reinforced (PA 6 30% GFR)



Rod

- AN337920** Diameter: **20mm**, Color: Black, Length: 100 mm to 1000 mm
- AN337960** Diameter: **60mm**, Color: Black, Length: 100 mm to 500 mm

Polyamide - Nylon 6, 6 (PA 6,6)

Akulon S, Maranyl A, Utramid A, Zytel



Film

- AM321017** Thickness: **0.017mm**, Coil width: 300mm, Length: 0.5 m
- AM321025** Thickness: **0.025mm**, Coil width 995 mm, Size: 150x150 mm to 600x600 mm

- AM321050** Thickness: **0.05mm**, Size: 100x100 mm to 150x150 mm

- AM321400** Thickness: **0.5mm**, Coil width 200 mm, Size: 50x50 mm to 200x200 mm



Sheet

- AM323010** Thickness: **1mm**, Size: 100x100 mm to 500x500 mm
- AM323025** Thickness: **3.0mm**, Size: 100x100 mm to 300x300 mm
- AM323050** Thickness: **5mm**, Size: 100x100 mm to 300x300 mm
- AM323100** Thickness: **12mm**, Size: 100x100 mm to 300x300 mm



Mesh

- AM328710** Nominal Aperture: **50µm**, Monofil diameter: 39µm, Threads/cm: 110, Open area: 32%, Type: Plain weave mesh, Size: 250x250 mm to 500x500 mm



Fiber

- AM325705** Tex Number: **1.3**, Filament diameter: 0.01mm, Number of filaments: 14, Condition: Medium Tenacity
- AM325710** Tex Number: **1.7**, Filament diameter: 0.025mm, Number of filaments: 3, Condition: Medium Tenacity
- AM325720** Tex Number: **3.3**, Filament diameter: 0.019mm, Number of filaments: 10, Condition: High Tenacity
- AM325750** Tex Number: **15.6**, Filament diameter: 0.023mm, Number of filaments: 34, Condition: High Tenacity
- AM325790** Tex Number: **94**, Filament diameter: 0.0275mm, Number of filaments: 140, Condition: High Tenacity



Rod

- AM327901** Diameter: **1.6mm**, Length: 300 mm to 1200 mm
- AM327903** Diameter: **3.2mm**, Length: 1000 mm
- AM327905** Diameter: **5mm**, Length: 1000 mm
- AM327910** Diameter: **10mm**, Length: 1000 mm
- AM327915** Diameter: **25mm**, Color: Natural, Length: 500 mm to 1000 mm
- AM327925** Diameter: **50mm**, Length: 200 mm to 1000 mm
- AM327950** Diameter: **100mm**, Length: 50 mm to 500 mm



Granule

- AM326310** Nominal Granule Size: **3mm**, Color: Natural, Condition: Additive free polymer
- AM326315** Nominal Granule Size: **3mm**, Grade: Super-tough
- AM326330** Nominal Granule Size: **8mm**, Color: Natural



Sphere

- AM326810** Diameter: **1.59mm**, Tolerance: ± 0.05 mm, Sphericity: 0.0254mm, Grade: Precision Sphere
- AM326820** Diameter: **3.18mm**, Tolerance: ± 0.05 mm, Sphericity: 0.0127mm, Grade: Precision Sphere
- AM326840** Diameter: **6mm**, Tolerance: ± 0.05 mm, Sphericity: 0.0127mm, Grade: Precision Sphere

Polymers

Polyamide - Nylon 6, 6 - 30% Glass Fiber Reinforced (PA 6,6 30% GFR)

Akulon S, Maranyl A, Utramid A, Zytel



Sheet

AM363080 Thickness: **8mm**, Color: Black, Size: 100x100 mm to 500x500 mm

AM363200 Thickness: **20mm**, Color: Black, Size: 100x100 mm to 300x300 mm



Rod

AM367910 Diameter: **10mm**, Color: Black, Length: 200 mm to 1000 mm

AM367930 Diameter: **30mm**, Color: Black, Length: 100 mm to 1000 mm

Polyamide - Nylon 6, 6 - 30% Carbon Fiber Reinforced (PA 6, 6 - 30% CFR)



Granule

AM396310 Nominal Granule Size: **3mm**, Color: Black

Polyamide - Nylon 6,10 (PA 6,10)



Granule

AN356345 Nominal Granule Size: **5mm**, Color: Natural, Condition: Injection molding grade

AN356375 Nominal Granule Size: **5mm**, Color: Natural, Condition: Extrusion grade, Condition: Medium viscosity

AN356395 Nominal Granule Size: **5mm**, Color: Natural, Condition: Extrusion grade, Condition: High viscosity

Polyamide - Nylon 11 (PA 11)

Rilsan B



Rod

AM337913 Diameter: **15mm**, Color: Black, Length: 100 mm to 995 mm

AM337915 Diameter: **25mm**, Color: Black, Length: 100 mm to 980 mm

AM337930 Diameter: **55mm**, Grade: Rilsan BMN TLD, Color: Black, Length: 50 mm to 1000 mm

Polyamide - Nylon 12 (PA 12)

Rilsan A, Vestamid



Film

AM371050 Thickness: **0.50mm**, Coil width 320 mm, Size: 150x150 mm to 300x300 mm



Sheet

AM373120 Thickness: **1.5mm**, Size: 250x250 mm to 500x500 mm

AM373130 Thickness: **3.0mm**, Size: 150x150 mm to 600x600 mm

AM373140 Thickness: **4.0mm**, Size: 150x150 mm to 300x300 mm

AM373200 Thickness: **10mm**, Condition: Machining feedstock, Size: 150x150 mm to 300x300 mm



Rod

AM377910 Diameter: **10mm**, Length: 500 mm to 1000 mm

AM377925 Diameter: **25.0mm**, Length: 500 mm to 1000 mm

AM377960 Diameter: **60mm**, Length: 500 mm to 1000 mm



Tube

AM377006 Outside Diameter: **0.63mm**, Wall Thickness: 0.065mm, Inside Diameter: 0.5mm, Length: 1 m to 20 m



Powder

AM376045 Max. Particle size: **45micron**, Color: Silver grey 9.8132, Grade: Vestosint® 1111

AM376010 Max. Particle size: **50micron**, Min. Particle size: 10micron, Mean Particle size: 25-30micron

Polyamide - Nylon 12 - 30% Glass Fiber Reinforced (PA 12 - 30% GFR)



Rod

AN327960 Diameter: **92mm**, Color: Cream, Length: 50 mm to 200 mm

Polyamide/imide (PAI)

Kerimid, Torlon®



Sheet

AM313050 Thickness: **6.35mm**, Tolerance: -10/+20%, Color: Brown, Condition: Electrical grade, Grade: Torlon® 4203, Size: 50x50 mm to 200x200 mm

AM313100 Thickness: **9.5mm**, Color: Brown, Condition: Electrical grade, Grade: Torlon® 4203, Size: 50x50 mm to 150x150 mm



Rod

AM317910 Diameter: **2.4mm**, Color: Brown, Condition: Electrical grade, Grade: Torlon® 4203, Length: 500 mm to 1000 mm

AM317940 Diameter: **6.7mm**, Color: Brown, Condition: Electrical grade, Grade: Torlon® 4203, Length: 100 mm to 1000 mm

AM317980 Diameter: **12.7mm**, Color: Brown, Condition: Electrical grade, Grade: Torlon® 4203, Length: 100 mm to 1000 mm

AM317981 Diameter: **12.7mm**, Condition: Bearing grade, Grade: Torlon® 4435, Length: 50 mm to 500 mm

AM317990 Diameter: **25.4mm**, Color: Brown, Condition: Electrical grade, Grade: Torlon® 4203, Length: 50 mm to 200 mm

AM317995 Diameter: **50.8mm**, Color: Brown, Condition: Electrical grade, Grade: Torlon® 4203, Length: 25 mm to 305 mm

AM317996 Diameter: **50.8mm**, Condition: Bearing grade, Grade: Torlon® 4435, Length: 25 mm to 100 mm



Sphere

AM316820 Diameter: **3.18mm**, Tolerance: ± 0.05 mm, Sphericity: 0.0254mm, Grade: Torlon® 4203, Grade: Precision Sphere

Polyaramid (Polyparaphenylene terephthalamide)

DuPont™ Kevlar®, Twaron



Fabric

AR303520 Weight.m⁻²: **60g**, Thickness: 0.1mm, Warp Yarn: 22Tex, Weft Yarn: 22Tex, Ends x Picks/10cm: 134x134, Weave: Plain, Coil width 1270 mm, Size: 150x150 mm to 500x500 mm

Polymers

AR303550 Weight.m⁻²: **175g**, Coil width: 1000mm, Thickness: 0.25mm, Warp Yarn: 127Tex, Weft Yarn: 127Tex, Ends x Picks/10cm: 67x67, Weave: Plain, Length: 0.5 m to 2 m

AR303560 Weight.m⁻²: **218g**, Coil width: 1200mm, Thickness: 0.37mm, Warp Yarn: 158Tex, Weft Yarn: 158Tex, Ends x Picks/10cm: 67x67, Weave: Plain, Type: DuPont™ Kevlar® 49, Length: 0.5 m

AR303562 Weight.m⁻²: **220g**, Coil width: 1200mm, Warp Yarn: 162Tex, Weft Yarn: 162Tex, Ends x Picks/10cm: 65x65, Weave: Plain, Length: 0.5 m to 2 m



Fiber

AR305722 Tex Number: **22**, Filament diameter: 0.017mm, Number of filaments: 70, Type: DuPont™ Kevlar 29®

AR305744 Tex Number: **44**, Filament diameter: 0.018mm, Number of filaments: 120, Type: DuPont™ Kevlar 29®

AR305745 Tex Number: **44**, Number of filaments: 267, Type: DuPont™ Kevlar 29®

AR305768 Tex Number: **161**, Number of filaments: 1000, Type: Twaron® 2200

AR305767 Tex Number: **167**, Filament diameter: 0.012mm, Number of filaments: 1000, Type: DuPont™ Kevlar 29®

AR305779 Tex Number: **790**, Filament diameter: 0.012mm, Number of filaments: 5000, Type: DuPont™ Kevlar® 49

AR305783 Tex Number: **830**, Cord diameter: 0.8mm, Condition: Braided Cord

AR305762 Tex Number: **6250**, Cord diameter: 3mm, Condition: Braided Cord

Polyaramid (Polymetaphenylene isophthalamide)

DuPont™ Nomex®



Film

AR311050 Thickness: **0.05mm**, Type: DuPont™ Nomex® T410, Condition: Calendered paper, Coil width 915 mm, Size: 150x150 mm to 300x300 mm

AR311310 Thickness: **0.13mm**, Coil width: 30mm, Type: DuPont™ Nomex® T418, Condition: Contains 50% mica by weight, Length: 1 m to 10 m

AR311300 Thickness: **0.13mm**, Coil width: 33mm, Type: DuPont™ Nomex® T411, Condition: Uncalendered paper, Length: 1 m to 20 m

AR311250 Thickness: **0.25mm**, Coil width: 118mm, Type: DuPont™ Nomex® T410, Condition: Calendered paper, Length: 0.5 m to 5 m

AR311251 Thickness: **0.25mm**, Type: DuPont™ Nomex® T410, Condition: Calendered paper, Coil width 914 mm, Size: 150x150 mm to 300x300 mm

AR311360 Thickness: **0.36mm**, Type: DuPont™ Nomex® T418, Condition: Contains 50% mica by weight, Size: 150x150 mm to 300x300 mm

AR311380 Thickness: **0.38mm**, Coil width: 55mm, Type: DuPont™ Nomex® T411, Condition: Uncalendered paper, Length: 1 m to 50 m

AR311381 Thickness: **0.38mm**, Coil width: 965mm, Type: DuPont™ Nomex® T411, Condition: Uncalendered paper, Length: 0.5 m to 5 m

AR311410 Thickness: **0.51mm**, Type: DuPont™ Nomex® T410, Condition: Calendered paper, Size: 200x304 mm

AR311450 Thickness: **0.76mm**, Coil width: 63.5mm, Type: DuPont™ Nomex® T410, Condition: Calendered paper, Length: 0.5 m to 5 m



Honeycomb

AR312610 Thickness: **5mm**, Cell size: 3mm, Cell Wall: 0.05mm, Core Density: 0.048g.cm⁻³, Adhesive (Resin): Phenolic, Size: 300x300 mm to 600x600 mm

AR312710 Thickness: **5mm**, Cell size: 5mm, Cell Wall: 0.05mm, Core Density: 0.032g.cm⁻³, Adhesive (Resin): Phenolic, Size: 300x300 mm to 600x600 mm

AR312810 Thickness: **5mm**, Cell size: 6mm, Cell Wall: 0.05mm, Core Density: 0.024g.cm⁻³, Adhesive (Resin): Phenolic, Size: 300x300 mm to 600x600 mm

AR312715 Thickness: **5mm**, Cell size: 5mm, Cell Wall: 0.09mm, Core Density: 0.064g.cm⁻³, Adhesive (Resin): Phenolic, Size: 300x300 mm to 600x600 mm

AR312620 Thickness: **10mm**, Cell size: 3mm, Cell Wall: 0.05mm, Core Density: 0.048g.cm⁻³, Adhesive (Resin): Phenolic, Size: 300x300 mm to 600x600 mm

AR312720 Thickness: **10mm**, Cell size: 5mm, Cell Wall: 0.05mm, Core Density: 0.032g.cm⁻³, Adhesive (Resin): Phenolic, Size: 300x300 mm to 600x600 mm

AR312820 Thickness: **10mm**, Cell size: 6mm, Cell Wall: 0.05mm, Core Density: 0.024g.cm⁻³, Adhesive (Resin): Phenolic, Size: 300x300 mm to 600x600 mm

AR312725 Thickness: **10mm**, Cell size: 5mm, Cell Wall: 0.09mm, Core Density: 0.064g.cm⁻³, Adhesive (Resin): Phenolic, Size: 300x300 mm to 600x600 mm

AR312650 Thickness: **20mm**, Cell size: 3mm, Cell Wall: 0.05mm, Core Density: 0.048g.cm⁻³, Adhesive (Resin): Phenolic, Size: 300x300 mm to 600x600 mm

AR312750 Thickness: **20mm**, Cell size: 5mm, Cell Wall: 0.05mm, Core Density: 0g.cm⁻³, Adhesive (Resin): Phenolic, Size: 300x300 mm

AR312850 Thickness: **20mm**, Cell size: 6mm, Cell Wall: 0.05mm, Core Density: 0.024g.cm⁻³, Adhesive (Resin): Phenolic, Size: 300x300 mm to 600x600 mm

AR312755 Thickness: **20mm**, Cell size: 5mm, Cell Wall: 0.09mm, Core Density: 0.064g.cm⁻³, Adhesive (Resin): Phenolic, Size: 300x300 mm



Sheet

AR313110 Thickness: **1.0mm**, Condition: Pressboard, Type: DuPont™ Nomex® T994 - High density Pressboard, Size: 150x150 mm to 300x300 mm

AR313100 Thickness: **1.0mm**, Condition: Pressboard, Type: DuPont™ Nomex® T993 - Medium density Pressboard, Size: 100x100 mm to 500x500 mm

AR313150 Thickness: **1.5mm**, Condition: Pressboard, Type: DuPont™ Nomex® T992 - Low density Pressboard, Size: 100x100 mm to 500x500 mm

Polymers

AR313310 Thickness: **3.0mm**, Condition: Pressboard, Type: DuPont™ Nomex® T994 - High density Pressboard, Size: 150x150 mm to 300x300 mm

AR313300 Thickness: **3.0mm**, Condition: Pressboard, Type: DuPont™ Nomex® T993 - Medium density Pressboard, Size: 140x150 mm to 300x300 mm

AR313450 Thickness: **9.6mm**, Condition: Pressboard, Type: DuPont™ Nomex® T994 - High density Pressboard, Size: 150x150 mm to 300x300 mm



Fiber

AR315722 Tex Number: **22**, Filament diameter: 0.01mm, Number of filaments: 100



Chopped Fiber

AR316575 Nominal Diameter: **0.012mm**, Fiber length: 75mm

Polybenzimidazole (PBI)

Celazole



Sheet

BI303130 Thickness: **12mm**, Color: Black, Size: 25x25 mm to 100x100 mm



Rod

BI307910 Diameter: **9.5mm**, Color: Black, Length: 25 mm to 300 mm

BI307915 Diameter: **12.7mm**, Color: Black, Length: 25 mm to 100 mm

BI307925 Diameter: **25mm**, Color: Black, Length: 10 mm to 50 mm

BI307938 Diameter: **38mm**, Color: Black, Length: 10 mm to 50 mm

BI307940 Diameter: **41mm**, Color: Black, Length: 23 mm

Polybutylene terephthalate (PBT)

Celanex, Orgater, Valox



Film

ES341050 Thickness: **0.55mm**, Coil width 300 mm, Size: 150x150 mm to 300x300 mm



Sheet

ES343150 Thickness: **2.0mm**, Size: 60x60 mm

ES343200 Thickness: **9.5mm**, Size: 150x150 mm to 300x300 mm



Monofilament

ES345910 Diameter: **0.18mm**

ES345930 Diameter: **0.8mm**



Rod

ES347910 Diameter: **6.35mm**, Length: 500 mm to 1000 mm

ES347920 Diameter: **12.7mm**, Length: 500 mm to 1000 mm

ES347925 Diameter: **25.4mm**, Length: 200 mm to 1000 mm



Granule

ES346310 Nominal Granule Size: **5mm**

Polybutylene terephthalate - 30% Glass Fiber Reinforced (PBT 30% GFR)

Celanex, Orgater, Valox



Rod

ES357920 Diameter: **20 mm**, Condition: Machining feedstock, Length: 100 mm to 1000 mm

ES357930 Diameter: **30 mm**, Condition: Machining feedstock, Length: 100 mm to 1000 mm

ES357940 Diameter: **40 mm**, Condition: Machining feedstock, Length: 100 mm to 1000 mm

Polycarbonate (PC)

Lexan, Makrofol, Makrolon



Film

CT301025 Thickness: **0.002mm**, Grade - Makrofol® KG: monoaxially oriented and crystallized, Coil width 315 mm, Size: 210x290 mm

CT301020 Thickness: **0.002mm**, Coil width 465 mm, Size: 150x150 mm to 300x300 mm

CT301030 Thickness: **0.003mm**, Grade - Makrofol® KG: monoaxially oriented and crystallized, Coil width 465 mm, Size: 100x100 mm to 300x300 mm

CT301060 Thickness: **0.006mm**, Coil width 300 mm, Size: 150x150 mm to 300x300 mm

CT301210 Thickness: **0.02mm**, Color: Yellow, Grade - Makrofol® N: cast isotropic, Coil width 600 mm, Size: 100x100 mm to 600x600 mm

CT301300 Thickness: **0.1mm**, Grade - DE 1: extruded isotropic, Size: 100x100 mm to 300x300 mm

CT301305 Thickness: **0.125mm**, Color: Clear, Coil width 610 mm, Size: 100x100 mm to 600x600 mm

CT301310 Thickness: **0.175mm**, Color: Clear, Size: 150x150 mm to 600x600 mm

CT301327 Thickness: **0.25mm**, Color: Black, Grade: Lexan® FR700-701, Size: 170x210 mm

CT301326 Thickness: **0.25mm**, Color: Translucent white 82728, Grade: Lexan® 8B28, Coil width 600 mm, Size: 150x150 mm to 300x300 mm

CT301325 Thickness: **0.25mm**, Color: Clear, Size: 100x100 mm to 600x600 mm

CT301340 Thickness: **0.375mm**, Size: 100x100 mm to 500x500 mm

CT301351 Thickness: **0.5mm**, Color: Translucent white 82728, Grade: Lexan® 8B28, Coil width 600 mm, Size: 150x150 mm to 600x600 mm

CT301350 Thickness: **0.5mm**, Color: Clear, Size: 100x100 mm to 610x915 mm

CT301375 Thickness: **0.75mm**, Color: Clear, Size: 100x100 mm to 1000x1250 mm



Metallized Film

CT301820 Thickness: **0.002mm**, Ohms/Square: 4, Metallized with: Aluminum, Coil width 160 mm, Size: 100x100 mm to 160x300 mm

Polymers



Sheet

CT303040 Thickness: **0.5mm**, Grade: Makrofol® DE 1-4, Color: White, Size: 100x100 mm to 500x1000 mm

CT303050 Thickness: **1.0mm**, Color: Clear, Size: 150x150 mm to 1000x1000 mm

CT303100 Thickness: **2.0mm**, Color: Clear, Size: 150x150 mm to 600x600 mm

CT303120 Thickness: **3.0mm**, Color: Clear, Size: 150x150 mm to 500x500 mm

CT303150 Thickness: **5.0mm**, Color: Clear, Size: 150x150 mm to 500x500 mm

CT303350 Thickness: **10.0mm**, Color: Clear, Size: 150x150 mm to 600x600 mm

CT303400 Thickness: **12.0mm**, Color: Clear, Size: 150x150 mm to 300x300 mm

CT303451 Thickness: **25mm**, Size: 150x150 mm to 300x300 mm

CT303450 Thickness: **2.5 mm**, Condition: Machining feedstock, Size: 150x150 mm to 300x300 mm



Rod

CT307907 Diameter: **6.35 mm**, Condition: Machining feedstock, Length: 100 mm to 1000 mm

CT307910 Diameter: **10 mm**, Condition: Machining feedstock, Length: 100 mm to 1000 mm

CT307912 Diameter: **12mm**, Color: Black, Grade: Lexan® 940, Length: 100 mm to 1000 mm

CT307915 Diameter: **15 mm**, Condition: Machining feedstock, Grade: Lexan® 943, Color: Blue, Length: 100 mm to 1000 mm

CT307925 Diameter: **2.5 mm**, Condition: Machining feedstock, Length: 100 mm to 1000 mm

CT307932 Diameter: **3.2 mm**, Condition: Machining feedstock, Surface finish: Matt, Length: 100 mm to 1000 mm

CT307950 Diameter: **50 mm**, Condition: Machining feedstock, Length: 100 mm to 1000 mm

CT307980 Diameter: **100 mm**, Condition: Machining feedstock, Length: 50 mm to 500 mm

CT307990 Diameter: **150 mm**, Condition: Machining feedstock, Length: 50 mm to 500 mm



Tube

CT307400 Outside Diameter: **9.5mm**, Wall Thickness: 1.5mm, Inside Diameter: 6.5mm, Length: 500 mm to 1000 mm

CT307500 Outside Diameter: **20mm**, Wall Thickness: 2mm, Inside Diameter: 16mm, Length: 200 mm to 1000 mm



Granule

CT306310 Nominal Granule Size: **3mm**, Color: Clear, Additives: Heat stabilizer only, Melt Flow Rate (MFR): 6.5

Polycarbonate - 20% Glass Fiber Filled (PC - 20% GFR)



Rod

CT347960 Diameter: **63.5mm**, Color: Black, Length: 50 mm to 200 mm

Polycarbonate - 30% Carbon Fiber Reinforced (PC - 30% CFR)



Granule

CT356310 Nominal Granule Size: **3mm**, Color: Black

Polycarbonate - 30% Glass Fiber Filled (PC - 30% GFR)



Rod

CT337920 Diameter: **20mm**, Length: 100 mm to 1000 mm

CT337940 Diameter: **40 mm**, Condition: Machining feedstock, Length: 50 mm to 200 mm

Polychlorotrifluoroethylene (PCTFE)

Kel-F, Neoflon



Sheet

FP353010 Thickness: **1.2mm**, Size: 150x150 mm to 300x300 mm

FP353015 Thickness: **1.5mm**, Tolerance: +/-0.3 mm, Color: Colorless, Condition: Compression molded, Size: 50x50 mm to 300x300 mm

FP353020 Thickness: **2.0mm**, Size: 150x150 mm to 280x300 mm

FP353050 Thickness: **5.0mm**, Size: 50x50 mm to 150x150 mm

FP353100 Thickness: **10.0mm**, Color: Natural, Size: 70x70 mm to 300x300 mm



Rod

FP357905 Diameter: **1.6mm**, Color: Natural, Length: 900 mm to 1800 mm

FP357910 Diameter: **3.2mm**, Color: Natural, Length: 900 mm to 1800 mm

FP357920 Diameter: **4.8mm**, Color: Natural, Length: 300 mm to 1800 mm

FP357930 Diameter: **6.35mm**, Color: Natural, Length: 300 mm to 1800 mm

FP357907 Diameter: **7mm**, Color: Natural, Length: 100 mm to 2000 mm

FP357908 Diameter: **8mm**, Color: Natural, Length: 100 mm to 2000 mm

FP357940 Diameter: **9.5mm**, Length: 300 mm to 900 mm

FP357911 Diameter: **10mm**, Color: Natural, Length: 100 mm to 2000 mm

FP357912 Diameter: **12mm**, Color: Natural, Length: 100 mm to 2000 mm

FP357950 Diameter: **12.7mm**, Length: 300 mm to 900 mm

FP357913 Diameter: **13mm**, Color: Natural, Length: 100 mm to 2000 mm

FP357955 Diameter: **15mm**, Length: 300 mm to 900 mm

FP357922 Diameter: **22mm**, Color: Natural, Length: 100 mm to 1000 mm

FP357960 Diameter: **25.4mm**, Length: 150 mm to 1828 mm

FP357970 Diameter: **40mm**, Color: Natural, Length: 100 mm to 1000 mm

Polymers

Polyetheretherketone (PEEK)

Victrex PEEK, Zyx, Vestakeep



Film

- EK301006** Thickness: **0.006 mm**, Color: Transparent pale amber, Condition: Amorphous, Coil width 600 mm, Size: 150x150 mm to 300x300 mm
- EK301012** Thickness: **0.012 mm**, Color: Transparent pale amber, Condition: Amorphous, Size: 150x150 mm to 300x300 mm
- EK301025** Thickness: **0.025 mm**, Color: Transparent pale amber, Condition: Amorphous, Coil width 650 mm, Size: 150x150 mm to 650x650 mm
- EK301038** Thickness: **0.038 mm**, Color: Transparent pale amber, Condition: Amorphous, Coil width 650 mm, Size: 150x150 mm to 300x300 mm
- EK301050** Thickness: **0.05 mm**, Color: Transparent pale amber, Condition: Amorphous, Coil width 600 mm, Size: 150x150 mm to 300x300 mm
- EK301075** Thickness: **0.075 mm**, Color: Transparent pale amber, Condition: Amorphous, Coil width 610 mm, Size: 150x150 mm to 300x300 mm
- EK301100** Thickness: **0.1 mm**, Color: Transparent pale amber, Condition: Amorphous, Coil width 600 mm, Size: 150x150 mm to 300x300 mm
- EK301125** Thickness: **0.125 mm**, Color: Transparent pale amber, Condition: Amorphous, Coil width 420 mm, Size: 150x150 mm to 300x300 mm
- EK301150** Thickness: **0.15 mm**, Color: Transparent pale amber, Condition: Amorphous, Coil width 600 mm, Size: 150x150 mm to 600x600 mm
- EK301200** Thickness: **0.20 mm**, Color: Transparent pale amber, Condition: Amorphous, Coil width 630 mm, Size: 150x150 mm to 300x300 mm
- EK301250** Thickness: **0.25 mm**, Color: Transparent pale amber, Condition: Amorphous, Coil width 650 mm, Size: 100x100 mm to 300x300 mm
- EK301400** Thickness: **0.50mm**, Color: Opaque grey, Condition: Semi-crystalline, Coil width 610 mm, Size: 100x100 mm to 300x300 mm



Sheet

- EK303010** Thickness: **1.0mm**, Color: Opaque grey, Condition: Semi-crystalline, Condition: Polished on 1 side / dull on 1 side, Size: 100x100 mm to 450x600 mm
- EK303450** Thickness: **5.5mm**, Color: Opaque grey, Condition: Semi-crystalline, Size: 40x150 mm to 154x190 mm
- EK303460** Thickness: **6.5mm**, Color: Opaque grey, Condition: Semi-crystalline, Size: 150x150 mm to 300x300 mm



Mesh

- EK308704** Nominal Aperture: **300µm**, Monofil diameter: 200µm, Threads/cm: 19, Open area: 36%, Type: Plain weave mesh, Size: 150x150 mm to 600x600 mm

- EK308730** Nominal Aperture: **300µm**, Monofil diameter: 200µm, Threads/cm: 19, Open area: 36%, Type: Plain weave mesh, Size: 100x100 mm to 1000x1000 mm

- EK308705** Nominal Aperture: **450µm**, Monofil diameter: 200µm, Threads/cm: 13.5, Open area: 48%, Type: Plain weave mesh, Size: 100x100 mm to 300x300 mm

- EK308710** Nominal Aperture: **1100µm**, Monofil diameter: 400µm, Threads/cm: 6.3, Open area: 54%, Type: Plain weave mesh, Size: 125x125 mm to 500x500 mm



Fiber

- EK305723** Tex Number: **23**, Filament diameter: 0.034mm, Number of filaments: 30



Monofilament

- EK305915** Diameter: **0.15 mm**, Condition: Type C, pigmented
- EK305920** Diameter: **0.2mm**, Condition: Type A
- EK305945** Diameter: **0.45 mm**, Condition: Type C, additive free
- EK305990** Diameter: **0.9mm**, Condition: Type A
- EK305995** Diameter: **1.2mm**, Condition: Type B



Rod

- EK307906** Diameter: **6mm**, Color: Opaque grey, Condition: Semi-crystalline, Length: 100 mm to 1000 mm
- EK307910** Diameter: **10mm**, Color: Opaque grey, Condition: Semi-crystalline, Length: 100 mm to 1000 mm
- EK307925** Diameter: **25mm**, Color: Opaque grey, Condition: Semi-crystalline, Length: 100 mm to 1000 mm
- EK307950** Diameter: **50mm**, Color: Opaque grey, Condition: Semi-crystalline, Length: 50 mm to 200 mm
- EK307980** Diameter: **100mm**, Color: Opaque grey, Condition: Semi-crystalline, Length: 50 mm to 200 mm



Tube

- EK307115** Outside Diameter: **1.15mm**, Wall Thickness: 0.175mm, Inside Diameter: 0.8mm, Color: Transparent pale amber, Length: 200 mm to 1000 mm
- EK307160** Outside Diameter: **1.6mm**, Wall Thickness: 0.675mm, Inside Diameter: 0.25mm, Color: Opaque grey, Length: 200 mm to 1000 mm
- EK307165** Outside Diameter: **1.6mm**, Wall Thickness: 0.3mm, Inside Diameter: 1mm, Color: Opaque grey, Length: 200 mm to 1000 mm
- EK307170** Outside Diameter: **1.6mm**, Wall Thickness: 0.1mm, Inside Diameter: 1.4mm, Color: Transparent pale amber, Length: 200 mm to 1000 mm
- EK307200** Outside Diameter: **3.2mm**, Wall Thickness: 0.6mm, Inside Diameter: 2mm, Color: Opaque grey, Length: 200 mm to 1000 mm
- EK307225** Outside Diameter: **3.9mm**, Wall Thickness: 0.5mm, Inside Diameter: 2.9mm, Color: Opaque grey, Length: 250 mm to 1000 mm
- EK307235** Outside Diameter: **4.6mm**, Wall Thickness: 0.4mm, Inside Diameter: 3.8mm, Color: Opaque grey, Length: 500 mm to 1000 mm

Polymers



Bolt

EK30BO20 Size: **M2 x 10 mm**, Head Style: Cross recessed pan head, Pitch: 0.4 mm, Quantity: 10 pcs

EK30BO18 Size: **M2 x 6 mm**, Head Style: Cross recessed pan head, Pitch: 0.4 mm, Quantity: 10 pcs

EK30BO40 Size: **M4 x 10 mm**, Head Style: Cross recessed pan head, Pitch: 0.7 mm, Quantity: 10 pcs

EK30BO60 Size: **M6 x 10 mm**, Head Style: Cross recessed pan head, Pitch: 1 mm, Quantity: 10 pcs

EK30BO80 Size: **M8 x 12 mm**, Head Style: Cross recessed pan head, Pitch: 1.25 mm, Quantity: 10 pcs



Nut

EK30NU02 Size: **M2**, Style: Hexagonal, Pitch: 0.4 mm, Quantity: 10 pcs

EK30NU04 Size: **M4**, Style: Hexagonal, Pitch: 0.7 mm, Quantity: 10 pcs

EK30NU06 Size: **M6**, Style: Hexagonal, Pitch: 1 mm, Quantity: 10 pcs

EK30NU08 Size: **M8**, Style: Hexagonal, Pitch: 1.25 mm, Quantity: 10 pcs



Washer

EK30WA02 Size: **M2**, Outside Diameter: 4 mm, Inside Diameter: 2.1 mm, Thickness: 0.5 mm, Quantity: 10 pcs

EK30WA04 Size: **M4**, Outside Diameter: 9 mm, Inside Diameter: 4.3 mm, Thickness: 0.8 mm, Quantity: 10 pcs

EK30WA06 Size: **M6**, Outside Diameter: 12.5 mm, Inside Diameter: 6.4 mm, Thickness: 1.6 mm, Quantity: 10 pcs

EK30WA08 Size: **M8**, Outside Diameter: 17 mm, Inside Diameter: 8.4 mm, Thickness: 1.6 mm, Quantity: 10 pcs



Powder

EK306010 Mean Particle size: **80micron**



Granule

EK306300 Nominal Granule Size: **6mm**

EK306301 Nominal Granule Size: **6mm**, Condition: High viscosity, Grade: Vestakeep® L4000G

EK306303 Nominal Granule Size: **6mm**, Condition: High viscosity, Grade: Vestakeep® 5000G

EK306302 Nominal Granule Size: **6mm**, Condition: Medium viscosity, Condition: Lubricated grade

Polyetheretherketone, 30% Glass Fiber Reinforced (PEEK - 30% GFR)



Granule

EK326300 Nominal Granule Size: **6mm**, Condition: High viscosity, Grade: Vestakeep® 4000GF30

Polyetherimide (PEI)

Ultem



Film

EI311025 Thickness: **0.025mm**, Color: Clear amber, Coil width 610 mm, Size: 150x150 mm to 600x600 mm

EI311050 Thickness: **0.05mm**, Color: Clear amber, Coil width 660 mm, Size: 150x150 mm to 600x600 mm

EI311225 Thickness: **0.175mm**, Color: Clear amber, Coil width 610 mm, Size: 150x150 mm to 600x600 mm

EI311250 Thickness: **0.25mm**, Color: Clear amber, Coil width 670 mm, Size: 150x150 mm to 610x610 mm

EI311350 Thickness: **0.50mm**, Color: Clear amber, Coil width 665 mm, Size: 150x150 mm to 600x600 mm



Sheet

EI313020 Thickness: **1.6mm**, Color: Clear amber, Size: 150x150 mm to 600x600 mm

EI313040 Thickness: **3.6mm**, Color: Black, Condition: Injection molded, Condition: center-gated, Size: 155x155 mm

EI313060 Thickness: **6.4mm**, Color: Clear amber, Size: 100x100 mm to 300x300 mm



Rod

EI317906 Diameter: **6.4mm**, Color: Clear amber, Length: 100 mm to 1000 mm

EI317912 Diameter: **12.7mm**, Color: Clear amber, Length: 100 mm to 1000 mm

EI317925 Diameter: **25mm**, Color: Clear amber, Length: 100 mm to 1000 mm



Tube

EI317200 Outside Diameter: **2.3mm**, Wall Thickness: 0.7mm, Inside Diameter: 0.9mm, Color: Clear amber, Length: 1 m to 20 m



Granule

EI316300 Nominal Granule Size: **3mm**, Color: Natural, Grade: Ultem® 1000

Polyetherimide - 30% Glass Fiber Reinforced (PEI 30% GFR)



Rod

EI307975 Diameter: **75mm**, Color: Brown, Condition: Machining feedstock, Length: 100 mm to 200 mm

Polyetherketone (PEK)



Film

EK351040 Thickness: **0.040mm**, Coil width 420 mm, Size: 100x100 mm to 420x420 mm

EK351050 Thickness: **0.050mm**, Coil width 420 mm, Size: 100x100 mm to 420x420 mm

EK351100 Thickness: **0.100mm**, Coil width 420 mm, Size: 100x100 mm to 420x420 mm

Polyetherketoneketone (PEKK)



Granule

EK316300 Nominal Granule Size: **3mm**, Color: Natural, Condition: Semi-crystalline, Condition: Injection molding grade

Polymers

Polyethersulfone (PES)

Ultrason E, Victrex PES



Film

- SU301025** Thickness: **0.025mm**, Color: Clear amber, Coil width 600 mm, Size: 150x150 mm to 300x300 mm
- SU301050** Thickness: **0.05mm**, Color: Clear amber, Coil width 550 mm, Size: 100x100 mm to 500x500 mm
- SU301100** Thickness: **0.1mm**, Color: Clear amber, Coil width 530 mm, Size: 100x100 mm to 500x500 mm
- SU301125** Thickness: **0.125mm**, Coil width: 570mm, Color: Clear amber, Length: 0.2 m to 1 m
- SU301250** Thickness: **0.25mm**, Color: Clear amber, Coil width 374 mm, Size: 100x100 mm to 300x300 mm
- SU301300** Thickness: **0.50mm**, Color: Clear amber, Coil width 670 mm, Size: 100x100 mm to 300x300 mm



Sheet

- SU303200** Thickness: **2mm**, Color: Clear amber, Condition: Injection molded, Size: 48x48 mm to 102x370 mm
- SU303350** Thickness: **6.35mm**, Color: Clear amber, Size: 150x150 mm to 300x300 mm
- SU303450** Thickness: **25.4mm**, Color: Clear amber, Size: 150x150 mm to 300x300 mm



Rod

- SU307913** Diameter: **12.7mm**, Length: 100 mm to 1200 mm
- SU307919** Diameter: **19mm**, Length: 100 mm to 1200 mm
- SU307920** Diameter: **20mm**, Color: Clear amber, Length: 100 mm to 1000 mm
- SU307925** Diameter: **25.4mm**, Length: 100 mm to 1200 mm
- SU307950** Diameter: **50mm**, Color: Clear amber, Length: 50 mm to 1000 mm
- SU307955** Diameter: **55mm**, Color: Dark amber, Length: 100 mm to 500 mm



Granule

- SU306311** Nominal Granule Size: **3mm**, Color: Clear amber, Condition: Medium viscosity, Molecular weight: 58,000 g/mol
- SU306300** Nominal Granule Size: **3mm**, Color: Black, Molecular weight: 58,000 g/mol

Polyethylene - Carbon filled (PE)



Film

- ET331080** Thickness: **0.08mm**, Condition: Conductive polymer, Coil width 800 mm, Size: 100x100 mm to 500x500 mm

Polyethylene - High density (HDPE)

Hostalen HD, Lacqtene HD, Lupolen, Rigidex



Film

- ET321010** Thickness: **0.01mm**, Coil width 600 mm, Size: 100x100 mm to 600x600 mm



Sheet

- ET323100** Thickness: **1mm**, Size: 150x150 mm to 500x500 mm

- ET323201** Thickness: **2mm**, Color: Black, Size: 151x151 mm

- ET323200** Thickness: **2mm**, Size: 150x150 mm to 500x500 mm

- ET323250** Thickness: **3mm**, Color: Natural, Size: 150x150 mm to 300x300 mm

- ET323280** Thickness: **5mm**, Size: 150x150 mm to 300x300 mm

- ET323300** Thickness: **10mm**, Size: 150x150 mm to 300x300 mm

- ET323320** Thickness: **12mm**, Size: 150x150 mm to 300x300 mm

- ET323340** Thickness: **15mm**, Size: 150x150 mm to 300x300 mm

- ET323360** Thickness: **20mm**, Size: 150x150 mm to 500x500 mm

- ET323380** Thickness: **25mm**, Size: 150x150 mm to 300x300 mm



Rod

- ET327910** Diameter: **10mm**, Length: 100 mm to 1000 mm
- ET327925** Diameter: **25mm**, Length: 100 mm to 1000 mm
- ET327950** Diameter: **50mm**, Length: 100 mm to 1000 mm
- ET327951** Diameter: **50mm**, Color: Black, Length: 100 mm to 1000 mm
- ET327980** Diameter: **100mm**, Length: 100 mm to 1000 mm
- ET327990** Diameter: **150mm**, Length: 50 mm to 1000 mm



Tube

- ET327450** Outside Diameter: **48mm**, Wall Thickness: 1.1mm, Inside Diameter: 45.8mm, Color: Yellow, Condition: Biaxially Oriented tube, Length: 100 mm to 500 mm
- ET327630** Outside Diameter: **63mm**, Wall Thickness: 3mm, Inside Diameter: 57mm, Color: Yellow, Condition: Biaxially Oriented tube, Length: 100 mm to 500 mm



Granule

- ET326310** Nominal Granule Size: **2-4mm**
- ET326300** Nominal Granule Size: **3mm**, Color: Natural, Melt Flow Rate (MFR): 0.3
- ET326320** Nominal Granule Size: **5mm**



Sphere

- ET326832** Diameter: **31.75mm**, Color: Natural

Polyethylene - Low Density (LDPE)

Alkathene, Carlona, Lacqtene, Lupolen, Stamylan LD



Film

- ET311115** Thickness: **0.015mm**, Coil width 500 mm, Size: 150x150 mm to 500x500 mm
- ET311126** Thickness: **0.025mm**, Coil width: 600mm, Length: 0.5 m to 10 m
- ET311130** Thickness: **0.03mm**, Coil width 900 mm, Size: 150x150 mm to 600x900 mm
- ET311135** Thickness: **0.035mm**, Coil width 600 mm, Size: 150x150 mm to 600x600 mm
- ET311150** Thickness: **0.05mm**, Coil width 300 mm, Size: 150x150 mm to 300x300 mm
- ET311151** Thickness: **0.05mm**, Condition: Additive free polymer, Coil width 600 mm, Size: 150x150 mm to 300x300 mm

Polymers

ET311163 Thickness: **0.063mm**, Coil width 900 mm, Size: 150x150 mm to 900x900 mm

ET311201 Thickness: **0.1 mm**, Condition: Additive free polymer, Coil width 600 mm, Size: 150x150 mm to 300x300 mm

ET311250 Thickness: **0.125mm**, Size: 150x150 mm to 300x300 mm

ET311251 Thickness: **0.15 mm**, Condition: Additive free polymer, Coil width 600 mm, Size: 150x150 mm to 600x600 mm

ET311301 Thickness: **0.18 mm**, Condition: Additive free polymer, Coil width 600 mm, Size: 150x150 mm to 300x300 mm

ET311300 Thickness: **0.2mm**, Size: 150x150 mm to 300x300 mm

ET311351 Thickness: **0.23 mm**, Condition: Additive free polymer, Coil width 600 mm, Size: 150x150 mm to 300x300 mm

ET311350 Thickness: **0.25mm**, Coil width 610 mm, Size: 100x100 mm to 300x300 mm

ET311452 Thickness: **0.5mm**, Color: Colorless, Coil width 920 mm, Size: 150x150 mm to 600x600 mm

ET311470 Thickness: **0.75mm**, Color: Colorless, Coil width 920 mm, Size: 150x150 mm to 900x900 mm



Sheet

ET313010 Thickness: **1.0mm**, Size: 150x150 mm to 920x920 mm

ET313023 Thickness: **2.3mm**, Condition: Stress relieved, Size: 150x150 mm to 600x600 mm

ET313048 Thickness: **4.8mm**, Condition: Stress relieved, Size: 150x150 mm to 600x600 mm



Fiber

ET315710 Tex Number: **110**, Number of filaments: 90, Condition: Multi-filament Yarn, Condition: Textile grade



Rod

ET317910 Diameter: **6.35mm**, Color: Natural, Length: 100 mm to 1000 mm

ET317920 Diameter: **12.7mm**, Color: Natural, Length: 100 mm to 1000 mm

ET317940 Diameter: **25.4mm**, Color: Natural, Length: 100 mm to 1000 mm

ET317960 Diameter: **50.8mm**, Color: Natural, Length: 100 mm to 1000 mm

ET317965 Diameter: **63.5mm**, Color: Natural, Length: 100 mm to 500 mm

ET317970 Diameter: **76.2mm**, Color: Natural, Length: 100 mm to 500 mm

ET317990 Diameter: **101.6mm**, Color: Natural, Length: 50 mm to 500 mm

ET317992 Diameter: **114mm**, Color: Natural, Length: 50 mm to 500 mm

ET317993 Diameter: **140mm**, Color: Natural, Length: 50 mm to 500 mm

ET317994 Diameter: **152.4mm**, Color: Natural, Length: 50 mm to 500 mm

ET317995 Diameter: **203.2mm**, Color: Natural, Length: 50 mm to 200 mm

ET317996 Diameter: **230mm**, Color: Natural, Length: 50 mm to 200 mm

ET317998 Diameter: **254mm**, Color: Natural, Length: 50 mm to 100 mm



Tube

ET317100 Outside Diameter: **1.1mm**, Wall Thickness: 0.35mm, Inside Diameter: 0.4mm, Length, : 1 m to 20 m

ET317150 Outside Diameter: **1.5mm**, Wall Thickness: 0.3mm, Inside Diameter: 0.9mm, Length, : 1 m to 20 m

ET317240 Outside Diameter: **2.4mm**, Wall Thickness: 0.35mm, Inside Diameter: 1.7mm, Length, : 1 m to 20 m

ET317640 Outside Diameter: **6.4mm**, Wall Thickness: 1.1mm, Inside Diameter: 4.2mm, Length, : 1 m to 20 m

ET317690 Outside Diameter: **12.7mm**, Wall Thickness: 1.6mm, Inside Diameter: 9.5mm, Length, : 1 m to 20 m



Powder

ET316031 Max. Particle size: **300micron**, Color: Natural



Granule

ET316300 Nominal Granule Size: **5mm**

ET316310 Nominal Granule Size: **5mm**

ET316311 Nominal Granule Size: **5mm**, Color: Black

ET316305 Nominal Granule Size: **5mm**, Color: Natural, Condition: Additive free polymer

ET316370 Nominal Granule Size: **5mm**, Color: Natural, Condition: Additive free polymer



Sphere

ET316880 Diameter: **31mm**, Color: Natural

Polyethylene - Medium Density (MDPE)



Powder

EV306010 Max. Particle size: **350micron**

Polyethylene - U.H.M.W. (UHMW PE)

Hostalen GUR, Stanyl UH



Film

ET301075 Thickness: **0.075mm**, Coil width 610 mm, Size: 150x150 mm to 300x300 mm

ET301200 Thickness: **0.2mm**, Coil width 610 mm, Size: 150x150 mm to 300x300 mm

ET301400 Thickness: **0.5mm**, Coil width 610 mm, Size: 150x150 mm to 300x300 mm



Sheet

ET303060 Thickness: **1.2mm**, Size: 150x150 mm to 300x300 mm

ET303100 Thickness: **2.0mm**, Size: 100x100 mm to 500x500 mm

ET303130 Thickness: **3mm**, Size: 100x100 mm to 500x500 mm

ET303250 Thickness: **5.0mm**, Size: 100x100 mm to 300x300 mm

ET303400 Thickness: **10.0mm**, Size: 100x100 mm to 300x300 mm

ET303200 Thickness: **20mm**, Color: Natural, Size: 100x100 mm to 500x500 mm

ET303450 Thickness: **25.0mm**, Size: 150x150 mm to 500x500 mm

Polymers



Fabric

- ET303510** Weight.m⁻²: **88g**, Warp Yarn: 24Tex, Weft Yarn: 24Tex, Ends x Picks/10cm: 177x177, Weave: Plain, Condition: Woven from Spectra® 1000, Size: 150x150 mm to 500x1270 mm
- ET303530** Weight.m⁻²: **95g**, Thickness: 0.28mm, Warp Yarn: 133Tex, Weft Yarn: 133Tex, Ends x Picks/10cm: 67x67, Weave: Plain, Size: 150x150 mm to 300x300 mm
- ET303540** Weight.m⁻²: **186g**, Thickness: 0.38mm, Warp Yarn: 72Tex, Weft Yarn: 72Tex, Ends x Picks/10cm: 126x126, Weave: 4-end Satin, Size: 150x150 mm to 300x300 mm
- ET303560** Weight.m⁻²: **186g**, Thickness: 0.45mm, Warp Yarn: 133Tex, Weft Yarn: 133Tex, Ends x Picks/10cm: 67x67, Weave: Plain, Size: 150x150 mm to 300x300 mm
- ET303580** Weight.m⁻²: **248g**, Thickness: 0.45mm, Warp Yarn: 133Tex, Weft Yarn: 133Tex, Ends x Picks/10cm: 83x91, Weave: 8 end Satin, Size: 150x150 mm to 1000x1000 mm



Fiber

- ET305711** Tex Number: **145**, Number of filaments: 1300, Condition: Multi-filament Yarn
- ET305720** Tex Number: **1670**, Cord diameter: 1.5mm, Condition: Braided Cord
- ET305740** Tex Number: **26720**, Cord diameter: 6mm, Condition: Braided Cord, Condition: Supplied with a Polyester overbraid



Rod

- ET307930** Diameter: **6.35mm**, Condition: Machined, Length: 100 mm to 1000 mm
- ET307970** Diameter: **9.52mm**, Condition: Machined, Length: 100 mm to 1000 mm
- ET307989** Diameter: **15mm**, Condition: Machining feedstock, Length: 100 mm to 1000 mm
- ET307991** Diameter: **20mm**, Condition: Machining feedstock, Length: 100 mm to 1000 mm
- ET307992** Diameter: **25mm**, Length: 100 mm to 1000 mm
- ET307994** Diameter: **50mm**, Length: 100 mm to 1000 mm
- ET307996** Diameter: **100mm**, Length: 100 mm to 1000 mm
- ET307999** Diameter: **160mm**, Length: 50 mm to 1000 mm



Powder

- ET306010** Mean Particle size: **150micron**



Granule

- ET306300** Nominal Granule Size: **2mm**, Color: Natural, Condition: Injection molding grade

Polyethylene naphthalate (PEN)

Kaladex, Kalidar



Film

- ES361010** Thickness: **0.0013mm**, Condition: Biaxially Oriented, Coil width 315 mm, Size: 150x150 mm to 300x300 mm
- ES361015** Thickness: **0.012mm**, Condition: Biaxially Oriented, Coil width 630 mm, Size: 150x150 mm to 360x360 mm
- ES361025** Thickness: **0.025mm**, Condition: Biaxially Oriented, Coil width 625 mm, Size: 150x150 mm to 300x300 mm

- ES361050** Thickness: **0.05mm**, Color: Clear, Condition: Transparent, Condition: Biaxially Oriented, Coil width 620 mm, Size: 150x150 mm to 300x300 mm

- ES361075** Thickness: **0.075mm**, Condition: Biaxially Oriented, Coil width 680 mm, Size: 150x150 mm to 600x600 mm

- ES361090** Thickness: **0.125mm**, Color: Natural, Condition: Biaxially Oriented, Coil width 630 mm, Size: 125x150 mm to 300x300 mm

- ES361150** Thickness: **0.25mm**, Condition: Biaxially Oriented, Coil width 300 mm, Size: 150x150 mm to 300x300 mm



Laminate

- ES361620** Thickness: **0.047mm**, Polymer Thickness: 0.012mm, Backing Material: 0.018mm Copper, Adhesive: Polyurethane, Coil width 500 mm, Size: 250x250 mm to 500x500 mm

- ES361621** Thickness: **0.050mm**, Polymer Thickness: 0.012mm, Backing Material: 0.025mm Aluminum, Adhesive: Epoxy, Coil width 500 mm, Size: 250x250 mm to 500x500 mm



Rod

- ES367940** Diameter: **18mm**, Color: Black, Length: 100 mm to 1000 mm
- ES367950** Diameter: **25mm**, Color: Black, Length: 50 mm to 500 mm



Granule

- ES366300** Nominal Granule Size: **5mm**, Condition: Additive free polymer

Polyethylene terephthalate (Polyester, PET, PETP)

Amite, Dacron, Hostaphan, Impet, Melinar, Melinex, Mylar, Rynite, Terylene, Trevira



Film

- ES301005** Thickness: **0.0005mm**, Coil width: 315mm, Color: Clear, Condition: Biaxially Oriented, Length: 0.1 m to 5 m
- ES301007** Thickness: **0.0007mm**, Coil width: 315mm, Color: Clear, Condition: Biaxially Oriented, Length: 0.1 m to 5 m
- ES301009** Thickness: **0.0009mm**, Coil width: 315mm, Color: Clear, Condition: Biaxially Oriented, Length: 0.1 m to 5 m
- ES301025** Thickness: **0.0025mm**, Coil width: 315mm, Color: Clear, Condition: Biaxially Oriented, Length: 0.5 m to 5 m
- ES301030** Thickness: **0.003mm**, Coil width: 300mm, Color: Clear, Condition: Biaxially Oriented, Length: 0.5 m
- ES301035** Thickness: **0.0035mm**, Coil width: 490mm, Color: Clear, Condition: Biaxially Oriented, Length: 0.5 m to 5 m
- ES301061** Thickness: **0.006mm**, Coil width: 315mm, Color: Clear, Condition: Biaxially Oriented, Length: 0.5 m to 20 m
- ES301130** Thickness: **0.013mm**, Color: Clear, Condition: Biaxially Oriented, Coil width 300 mm, Size: 100x100 mm to 600x600 mm
- ES301230** Thickness: **0.023mm**, Coil width: 300mm, Color: Clear, Condition: Biaxially Oriented, Length: 0.5 m

Polymers

ES301238 Thickness: **0.038mm**, Color: Clear, Grade: Pealable - Heat sealable, Coil width 610 mm, Size: 150x150 mm to 610x610 mm

ES301250 Thickness: **0.05mm**, Color: Clear, Condition: Biaxially Oriented, Coil width 600 mm, Size: 150x150 mm to 600x600 mm

ES301302 Thickness: **0.075mm**, Color: Clear, Condition: Biaxially Oriented, Coil width 254 mm, Size: 125x125 mm to 254x254 mm

ES301300 Thickness: **0.075mm**, Color: Clear, Condition: Biaxially Oriented, Coil width 600 mm, Size: 150x150 mm to 600x600 mm

ES301301 Thickness: **0.075mm**, Coil width: 914mm, Color: Gray, Condition: Biaxially Oriented, Length: 0.5 m to 10 m

ES301400 Thickness: **0.1mm**, Color: Clear, Condition: Biaxially Oriented, Coil width 600 mm, Size: 100x100 mm to 300x300 mm

ES301401 Thickness: **0.1mm**, Color: Black, Condition: Biaxially Oriented, Coil width 610 mm, Size: 150x150 mm to 600x600 mm

ES301402 Thickness: **0.1mm**, Coil width: 914mm, Color: Gray, Condition: Biaxially Oriented, Length: 0.5 m to 10 m

ES301425 Thickness: **0.125mm**, Color: Clear, Condition: Biaxially Oriented, Coil width 600 mm, Size: 300x300 mm to 600x600 mm

ES301440 Thickness: **0.175mm**, Color: Clear, Condition: Biaxially Oriented, Coil width 600 mm, Size: 150x150 mm to 600x600 mm

ES301451 Thickness: **0.25mm**, Color: Opaque white, Condition: Biaxially Oriented, Condition: Printable both sides, Size: 210x295 mm

ES301450 Thickness: **0.25mm**, Condition: Transparent, Condition: Amorphous, Coil width 610 mm, Size: 300x300 mm to 610x610 mm

ES301445 Thickness: **0.25mm**, Condition: Transparent, Condition: Amorphous, Coil width 610 mm, Size: 300x300 mm to 610x610 mm

ES301460 Thickness: **0.35mm**, Condition: Biaxially Oriented, Color: Opaque grey, Coil width 600 mm, Size: 150x150 mm to 600x600 mm

ES301485 Thickness: **0.50mm**, Color: Gray, Condition: Biaxially Oriented, Coil width 600 mm, Size: 100x100 mm to 600x600 mm



Metallized Film

ES301821 Thickness: **0.002mm**, Coil width: 315mm, Ohms/Square: 1.4, Metallized on both sides with: Aluminum - 0.7 Ohms/Square, Metallized width: 305mm, Length: 0.2 m

ES301820 Thickness: **0.002mm**, Coil width: 315mm, Ohms/Square: 1.5, Metallized with: Aluminum, Metallized width: 305mm, Length: 0.2 m

ES301835 Thickness: **0.0035mm**, Coil width: 300mm, Ohms/Square: 1.5, Metallized with: Aluminum, Length: 0.5 m to 10 m

ES301840 Thickness: **0.004mm**, Coil width: 9mm, Ohms/Square: 3, Metallized with: Aluminum, Length: 1 m to 10 m

ES301855 Thickness: **0.005mm**, Coil width: 315mm, Ohms/Square: 1.5, Metallized with: Aluminum, Metallized width: 305mm, Length: 0.5 m to 10 m

ES301860 Thickness: **0.006mm**, Coil width: 27mm, Ohms/Square: 3, Metallized with: Aluminum, Length: 1 m to 100 m

ES301865 Thickness: **0.006mm**, Coil width: 315mm, Ohms/Square: 1.4, Metallized on both sides with: Aluminum - 0.7 Ohms/Square, Length: 0.5 m to 10 m

ES301914 Thickness: **0.012mm**, Metallized on both sides with: Aluminum - 1 Ohms/Square, Coil width 350 mm, Size: 115x115 mm to 350x350 mm

ES301912 Thickness: **0.012mm**, Ohms/Square: 2, Metallized with: Aluminum, Coil width 300 mm, Size: 100x100 mm to 300x300 mm

ES301913 Thickness: **0.012mm**, Coil width: 600mm, Ohms/Square: 2, Metallized with: Aluminum, Length: 0.5 m

ES301923 Thickness: **0.023mm**, Ohms/Square: 2, Metallized with: Aluminum, Coil width 300 mm, Size: 150x150 mm to 300x300 mm

ES301900 Thickness: **0.036mm**, Ohms/Square: >2500, Metallized with: Stainless Steel, Size: 150x150 mm to 1000x1000 mm

ES301920 Thickness: **0.036mm**, Ohms/Square: 25, Metallized with: StSt-Cu-StSt, Coil width 1500 mm, Size: 150x150 mm to 500x500 mm

ES301902 Thickness: **0.036mm**, Ohms/Square: 200, Metallized with: Stainless Steel, Size: 150x150 mm to 1000x1000 mm

ES301911 Thickness: **0.036mm**, Ohms/Square: 200, Metallized with: Titanium, Size: 150x150 mm to 1000x1000 mm

ES301901 Thickness: **0.036mm**, Ohms/Square: 700, Metallized with: Stainless Steel, Size: 150x150 mm to 1000x1000 mm

ES301910 Thickness: **0.036mm**, Ohms/Square: 700, Metallized with: Titanium, Size: 150x150 mm to 1000x1000 mm

ES301955 Thickness: **0.05mm**, Ohms/Square: 2, Metallized with: Aluminum, Coil width 540 mm, Size: 150x150 mm to 540x540 mm

ES301980 Thickness: **0.10mm**, Ohms/Square: 2, Metallized with: Aluminum, Coil width 610 mm, Size: 150x150 mm to 300x300 mm



Laminate

ES301520 Thickness: **0.06mm**, Polymer Thickness: 0.025mm, Backing Material: 0.018mm Copper, Coil width 610 mm, Size: 100x100 mm to 600x600 mm

ES301532 Thickness: **0.1mm**, Polymer Thickness: 0.05mm, Backing Material: 0.035mm Copper, Coil width 610 mm, Size: 100x100 mm to 300x300 mm

ES301554 Thickness: **0.16mm**, Polymer Thickness: 0.075mm, Backing Material: 0.07mm Copper, Coil width 610 mm, Size: 100x100 mm to 300x300 mm



Sheet

ES303010 Thickness: **1mm**, Condition: Amorphous, Size: 150x150 mm to 600x600 mm

ES303015 Thickness: **1.5mm**, Condition: Amorphous, Size: 150x150 mm to 600x600 mm

ES303020 Thickness: **2mm**, Condition: Amorphous, Size: 150x150 mm to 300x300 mm

ES303021 Thickness: **2mm**, Color: Clear, Condition: Copolymer, Size: 100x100 mm to 300x300 mm

ES303030 Thickness: **3mm**, Condition: Amorphous, Size: 150x150 mm to 300x300 mm

ES303050 Thickness: **5mm**, Color: White, Condition: Semi-crystalline, Size: 100x100 mm to 300x300 mm

Polymers

ES303100 Thickness: **10mm**, Color: White, Condition: Semi-crystalline, Size: 150x150 mm to 300x300 mm

ES303250 Thickness: **25mm**, Color: White, Condition: Semi-crystalline, Size: 150x150 mm to 300x300 mm



Fabric

ES303520 Weight.m⁻²: **92g**, Thickness: 0.13mm, Warp Yarn: 28Tex, Weft Yarn: 28Tex, Ends x Picks/10cm: 157x157, Weave: Plain, Coil width 1470 mm, Size: 150x150 mm to 500x500 mm



Mesh

ES308704 Nominal Aperture: **21µm**, Monofil diameter: 41µm, Threads/cm: 163, Open area: 12%, Type: Plain weave mesh, Size: 250x250 mm to 500x500 mm

ES308710 Nominal Aperture: **100µm**, Monofil diameter: 70µm, Threads/cm: 55, Open area: 33%, Type: Plain weave mesh, Size: 250x250 mm to 500x500 mm



Fiber

ES305710 Tex Number: **3.3**, Filament diameter: 0.014mm, Number of filaments: 15, Condition: Medium Tenacity

ES305720 Tex Number: **7.4**, Filament diameter: 0.017mm, Number of filaments: 24, Condition: High Tenacity

ES305730 Tex Number: **110**, Filament diameter: 0.023mm, Number of filaments: 192, Condition: High Tenacity



Monofilament

ES305910 Diameter: **0.1mm**

ES305920 Diameter: **0.2mm**

ES305940 Diameter: **0.4mm**

ES305950 Diameter: **0.5mm**

ES305980 Diameter: **0.8mm**

ES305990 Diameter: **0.9mm**



Rod

ES307906 Diameter: **6mm**, Condition: Semi-crystalline, Color: Opaque white, Length: 500 mm to 1000 mm

ES307910 Diameter: **10mm**, Condition: Semi-crystalline, Color: Opaque white, Length: 500 mm to 1000 mm

ES307925 Diameter: **25mm**, Condition: Semi-crystalline, Color: Opaque white, Length: 100 mm to 1000 mm



Powder

ES306030 Max. Particle size: **300micron**, Color: Natural



Granule

ES306311 Nominal Granule Size: **3mm**

ES306312 Nominal Granule Size: **3-5mm**, Color: Natural

Polyhydroxyalkaonate - Biopolymer (PHA)



Granule

PH326303 Nominal Granule Size: **3mm**, Condition: Injection molding grade, Condition: Biopolymer, Condition: Biodegradable

PH326301 Nominal Granule Size: **3mm**, Condition: Wood flour composite, Condition: Biopolymer

PH326302 Nominal Granule Size: **3mm**, Condition: Elastomer, Condition: Biopolymer, Condition: Biodegradable

PH326300 Nominal Granule Size: **3mm**, Condition: Biodegradable, Condition: Biopolymer, Condition: Extrusion grade

Polyhydroxybutyrate - Biopolymer (PHB)



Rod

BU397920 Diameter: **15mm**, Condition: Biopolymer, Condition: Biodegradable, Length: 100 mm to 1000 mm



Granule

BU396311 Nominal Granule Size: **5mm**, Molecular weight: 550k g/mol

Polyhydroxybutyrate/ Polyhydroxyvalerate 1% - Biopolymer (Biopolymer)



Powder

BV346030 Max. Particle size: **300 micron**, Molecular weight: 490k g/mol

Polyhydroxybutyrate/ Polyhydroxyvalerate 2% - Biopolymer (Biopolymer)



Powder

BV336010 Max. Particle size: **300micron**

Polyhydroxybutyrate/ Polyhydroxyvalerate 8% - Biopolymer (PHB92/PHV 8)



Film

BV301010 Thickness: **0.01mm**, Condition: Biopolymer, Condition: Biodegradable, Coil width 420 mm, Size: 100x100 mm to 200x200 mm

BV301025 Thickness: **0.025mm**, Condition: Biopolymer, Condition: Biodegradable, Coil width 420 mm, Size: 100x100 mm to 200x200 mm

BV301050 Thickness: **0.05mm**, Condition: Biopolymer, Condition: Biodegradable, Size: 150x150 mm

Polyhydroxybutyrate/ Polyhydroxyvalerate 12% - Biopolymer (PHB88/PHV12)



Granule

BV326301 Nominal Granule Size: **5mm**, Condition: 10% Plasticized pellets (citric ester), Condition: Biopolymer, Condition: Biodegradable

Polyimide (PI)

Kapton, Kinel, Upilex, Upimol, Vespel



Film

IM301080 Thickness: **0.008mm**, Grade: DuPont™ Kapton® HN, Coil width 300 mm, Size: 100x100 mm to 300x300 mm

Polymers

IM301130 Thickness: **0.013mm**, Grade: DuPont™ Kapton® HN, Coil width 295 mm, Size: 100x100 mm to 295x300 mm

IM301202 Thickness: **0.025mm**, Coil width: 20mm, Adhesive coated tape: Total thickness : 0.06mm, Length: 1 rolls

IM301214 Thickness: **0.025mm**, Color: Black, Grade: DuPont™ Kapton® CB, Size: 100x100 mm to 300x300 mm

IM301212 Thickness: **0.025mm**, Grade: DuPont™ Kapton® CR, Coil width 500 mm, Size: 100x100 mm to 250x250 mm

IM301210 Thickness: **0.025mm**, Grade: DuPont™ Kapton® MT, Coil width 600 mm, Size: 100x100 mm to 600x600 mm

IM301200 Thickness: **0.025mm**, Grade: DuPont™ Kapton® HN, Coil width 610 mm, Size: 100x100 mm to 300x300 mm

IM301215 Thickness: **0.025mm**, Color: Black, Grade: DuPont™ Kapton® B, Coil width 610 mm, Size: 100x100 mm to 300x300 mm

IM301301 Thickness: **0.05mm**, Grade: Upilex S, Coil width 500 mm, Size: 100x100 mm to 500x500 mm

IM301303 Thickness: **0.05mm**, Grade: DuPont™ Kapton® 200RS100, Coil width 560 mm, Size: 100x100 mm to 280x280 mm

IM301300 Thickness: **0.05mm**, Grade: DuPont™ Kapton® HN, Coil width 610 mm, Size: 100x100 mm to 300x300 mm

IM301304 Thickness: **0.050mm**, Color: Black, Grade: DuPont™ Kapton® B, Coil width 610 mm, Size: 100x100 mm to 300x300 mm

IM301402 Thickness: **0.075mm**, Grade: DuPont™ Kapton® MT, Coil width 610 mm, Size: 150x150 mm to 300x300 mm

IM301400 Thickness: **0.075mm**, Grade: DuPont™ Kapton® HN, Coil width 610 mm, Size: 100x100 mm to 300x300 mm

IM301403 Thickness: **0.075mm**, Grade: DuPont™ Kapton® FPC, Coil width 610 mm, Size: 100x100 mm to 300x300 mm

IM301404 Thickness: **0.075mm**, Color: Black, Grade: DuPont™ Kapton® B, Coil width 610 mm, Size: 100x100 mm to 300x300 mm

IM301414 Thickness: **0.075mm**, Grade: DuPont™ Kapton® KJ, Size: 100x100 mm to 200x200 mm

IM301449 Thickness: **0.125mm**, Grade: DuPont™ Kapton® HPP-ST, Coil width 317.6 mm, Size: 100x100 mm to 300x300 mm

IM301450 Thickness: **0.125mm**, Grade: DuPont™ Kapton® HN, Coil width 610 mm, Size: 100x100 mm to 300x300 mm

IM301451 Thickness: **0.125mm**, Grade: DuPont™ Kapton® FPC, Coil width 610 mm, Size: 100x100 mm to 300x300 mm

IM301448 Thickness: **0.125mm**, Color: Black, Grade: DuPont™ Kapton® B, Coil width 610 mm, Size: 100x100 mm to 300x300 mm

IM301452 Thickness: **0.150mm**, Grade: Cirlex CL, Size: 140x150 mm to 280x300 mm

IM301455 Thickness: **0.23mm**, Grade: Cirlex CL, Size: 140x150 mm to 597x597 mm

IM301470 Thickness: **0.5mm**, Grade: Upilex, Size: 50x50 mm to 150x150 mm

IM301465 Thickness: **0.5mm**, Grade: Cirlex CL, Size: 70x100 mm to 342x597 mm



Metallized Film

IM301825 Thickness: **0.025mm**, Condition: Metallized on one side with 30 nm Aluminum, Grade: DuPont™ Kapton® HN, Coil width 610 mm, Size: 150x150 mm to 610x610 mm

IM301835 Thickness: **0.075mm**, Condition: Metallized on one side with 30 nm Aluminum, Grade: DuPont™ Kapton® HN, Coil width 620 mm, Size: 150x150 mm to 600x600 mm



Laminate

IM301510 Thickness: **0.05mm**, Polymer Thickness: 0.025mm, Backing Material: 0.009mm Copper, Coil width 610 mm, Size: 100x100 mm to 300x300 mm

IM301522 Thickness: **0.06mm**, Polymer Thickness: 0.025mm, Backing Material: 0.018mm Copper, Coil width 610 mm, Size: 100x100 mm to 300x300 mm

IM301512 Thickness: **0.07mm**, Polymer Thickness: 0.025mm, Backing Material: 0.009mm Copper, Condition: Double-sided laminate, Coil width 610 mm, Size: 100x100 mm to 300x300 mm

IM301536 Thickness: **0.1mm**, Polymer Thickness: 0.05mm, Backing Material: 0.035mm Copper, Coil width 610 mm, Size: 100x100 mm to 300x300 mm

IM301560 Thickness: **0.16mm**, Polymer Thickness: 0.075mm, Backing Material: 0.07mm Copper, Coil width 610 mm, Size: 100x100 mm to 300x300 mm

IM301620 Thickness: **0.16mm**, Polymer Thickness: 0.025mm, Backing Material: 0.125mm DuPont™ Nomex®, Coil width 914 mm, Size: 150x150 mm to 300x300 mm

IM301650 Thickness: **0.4mm**, Polymer Thickness: 0.025mm, Backing Material: 0.38mm DuPont™ Nomex®, Coil width 890 mm, Size: 150x150 mm to 300x300 mm



Sheet

IM303076 Thickness: **0.76mm**, Grade: Cirlex CL, Size: 70x145 mm to 290x290 mm

IM303110 Thickness: **1mm**, Grade: Cirlex CL, Size: 100x140 mm to 597x597 mm

IM303120 Thickness: **1.5mm**, Grade: Cirlex CL, Size: 140x140 mm to 296x296 mm



Chopped Fiber

IM306560 Nominal Diameter: **0.014mm**, Fiber length: 60mm, Grade: P84



Rod

IM307910 Diameter: **6.35mm**, Grade: Vespel SP1, Length: 50 mm to 500 mm

IM307920 Diameter: **12.7mm**, Grade: Vespel SP1, Length: 50 mm to 400 mm

IM307930 Diameter: **19mm**, Grade: Meldin 7001, Length: 50 mm to 200 mm

IM307940 Diameter: **25.4mm**, Grade: Vespel SP1, Length: 50 mm to 200 mm

IM307941 Diameter: **25.4mm**, Grade: Meldin 7001, Length: 50 mm to 200 mm

IM307950 Diameter: **38mm**, Grade: Meldin 7001, Length: 25 mm to 100 mm

IM307961 Diameter: **50.8mm**, Grade: Vespel SP1, Length: 25 mm to 100 mm

Polymers

IM307960 Diameter: **50.8mm**, Grade: Meldin 7001, Length: 25 mm to 50 mm



Tube

IM307012 Outside Diameter: **0.168mm**, Wall Thickness: 0.023mm, Inside Diameter: 0.122mm, Length: 100 mm to 1000 mm

IM307013 Outside Diameter: **0.18mm**, Wall Thickness: 0.02mm, Inside Diameter: 0.14mm, Length: 100 mm to 1000 mm

IM307014 Outside Diameter: **0.193mm**, Wall Thickness: 0.019mm, Inside Diameter: 0.155mm, Length: 100 mm to 1000 mm

IM307015 Outside Diameter: **0.196mm**, Wall Thickness: 0.015mm, Inside Diameter: 0.166mm, Length: 100 mm to 1000 mm

IM307016 Outside Diameter: **0.201mm**, Wall Thickness: 0.022mm, Inside Diameter: 0.157mm, Length: 100 mm to 1000 mm

IM307030 Outside Diameter: **0.30mm**, Wall Thickness: 0.025mm, Inside Diameter: 0.25mm, Length: 100 mm to 1000 mm

IM307040 Outside Diameter: **0.35mm**, Wall Thickness: 0.025mm, Inside Diameter: 0.3mm, Length: 100 mm to 1000 mm

IM307046 Outside Diameter: **0.46mm**, Wall Thickness: 0.025mm, Inside Diameter: 0.41mm, Length: 100 mm to 317 mm

IM307050 Outside Diameter: **0.55mm**, Wall Thickness: 0.025mm, Inside Diameter: 0.5mm, Length: 100 mm to 1000 mm

IM307055 Outside Diameter: **0.67mm**, Wall Thickness: 0.025mm, Inside Diameter: 0.62mm, Length: 317 mm

IM307100 Outside Diameter: **1.05mm**, Wall Thickness: 0.025mm, Inside Diameter: 1.0mm, Length: 100 mm to 1000 mm

IM307101 Outside Diameter: **1.105mm**, Wall Thickness: 0.05mm, Inside Diameter: 1.00mm, Length: 100 mm to 1000 mm

IM307190 Outside Diameter: **1.90mm**, Wall Thickness: 0.050mm, Inside Diameter: 1.80mm, Length: 100 mm to 1000 mm

IM307199 Outside Diameter: **1.99mm**, Wall Thickness: 0.032mm, Inside Diameter: 1.93mm, Length: 100 mm to 1397 mm

IM307200 Outside Diameter: **2.10mm**, Wall Thickness: 0.05mm, Inside Diameter: 2.0mm, Length: 100 mm to 1000 mm

IM307300 Outside Diameter: **3.0mm**, Wall Thickness: 0.03mm, Inside Diameter: 2.94mm, Length: 100 mm to 1000 mm

IM307320 Outside Diameter: **3.48mm**, Wall Thickness: 0.14mm, Inside Diameter: 3.2mm, Length: 100 mm to 1000 mm

IM307400 Outside Diameter: **4.2mm**, Wall Thickness: 0.07mm, Inside Diameter: 4.06mm, Length: 100 mm to 1000 mm

IM307500 Outside Diameter: **5.0mm**, Wall Thickness: 0.075mm, Inside Diameter: 4.85mm, Length: 100 mm to 1000 mm

IM307600 Outside Diameter: **6.0mm**, Wall Thickness: 0.075mm, Inside Diameter: 5.85mm, Length: 100 mm to 1000 mm

IM307828 Outside Diameter: **10.28mm**, Wall Thickness: 0.14mm, Inside Diameter: 10.0mm, Length: 100 mm to 1000 mm

Polyketone (PK)

Akrotek®



Granule

PK306300 Nominal Granule Size: **3-5mm**, Color: Natural, Condition: Medium viscosity

PK306310 Nominal Granule Size: **3-5mm**, Color: Natural, Condition: Low viscosity

Polyketone 30% Glass Fibre Reinforced (PK)



Granule

PK316300 Nominal Granule Size: **3-5mm**, Color: Black, Condition: Medium viscosity

PK316310 Nominal Granule Size: **3-5mm**, Color: Black, Condition: Low viscosity

Polyketone 30% Glass Fibre Reinforced (PK)



Granule

PK336300 Nominal Granule Size: **3-5mm**, Color: Black, Condition: Bearing grade, Condition: Low viscosity

Polyketone 50% Glass Fibre Reinforced (PK)



Granule

PK326300 Nominal Granule Size: **3-5mm**, Color: Black, Condition: Medium viscosity

PK326310 Nominal Granule Size: **3-5mm**, Color: Black, Condition: Low viscosity

Polyketone Bearing Grade (PK)



Granule

PK346310 Nominal Granule Size: **3-5mm**, Color: Natural, Condition: Low viscosity

Polylactic acid - Biopolymer (PLA)



Granule

ME346310 Nominal Granule Size: **3mm**, Color: Natural, Condition: Biopolymer, Condition: Biodegradable

Polymethylmethacrylate (PMMA, Acrylic)

Diakon, Lucite, Orogas, Perspex, Plexiglas



Film

ME301050 Thickness: **0.05mm**, Condition: Impact modified, Coil width 610 mm, Size: 150x150 mm to 600x600 mm

ME301200 Thickness: **0.05mm**, Condition: Impact modified, Size: 150x150 mm



Sheet

ME303016 Thickness: **0.175mm**, Condition: Impact modified, Color: Clear, Condition: Transparent, Size: 150x150 mm to 600x600 mm

ME303005 Thickness: **0.25mm**, Condition: Impact modified, Size: 150x150 mm to 915x915 mm

ME303001 Thickness: **0.38mm**, Condition: Impact modified, Size: 125x150 mm to 1025x1270 mm

Polymers

ME303007 Thickness: **0.5mm**, Color: Dark red / black, Condition: IR transmitting, Size: 95x100 mm to 390x390 mm

ME303006 Thickness: **0.5mm**, Size: 100x100 mm to 600x600 mm

ME303004 Thickness: **0.7mm**, Grade: High purity, Condition: Free from UV absorber, Size: 100x100 mm to 200x200 mm

ME303003 Thickness: **0.75mm**, Condition: Impact modified, Size: 125x150 mm to 1025x1200 mm

ME303019 Thickness: **1mm**, Color: Dark red / black, Condition: IR transmitting, Size: 95x95 mm to 390x390 mm

ME303017 Thickness: **1.0mm**, Color: Clear, Condition: Cast, Size: 100x100 mm to 400x400 mm

ME303010 Thickness: **1.1mm**, Tolerance: 20 %, Size: 100x100 mm to 600x600 mm

ME303013 Thickness: **1.2mm**, Grade: High purity, Condition: Free from UV absorber, Size: 100x100 mm to 200x200 mm

ME303018 Thickness: **1.3mm**, Color: Clear, Condition: Cast, Size: 100x100 mm to 600x600 mm

ME303021 Thickness: **2.0mm**, Grade: High purity, Condition: Free from UV absorber, Size: 150x150 mm to 600x600 mm

ME303020 Thickness: **2.0mm**, Size: 100x100 mm to 600x600 mm

ME303026 Thickness: **2.7mm**, Grade: High purity, Condition: Free from UV absorber, Size: 140x150 mm to 180x380 mm

ME303031 Thickness: **3.0mm**, Grade: High purity, Condition: Free from UV absorber, Size: 100x100 mm to 250x400 mm

ME303032 Thickness: **3.0mm**, Condition: Cast, Condition: Free from UV absorber, Size: 150x150 mm to 600x600 mm

ME303030 Thickness: **3.2mm**, Size: 100x100 mm to 300x300 mm

ME303052 Thickness: **5.0mm**, Condition: Cast, Condition: Free from UV absorber, Size: 150x150 mm to 300x300 mm

ME303050 Thickness: **5.0mm**, Size: 150x150 mm to 300x300 mm

ME303055 Thickness: **6.0mm**, Size: 150x150 mm to 1000x1000 mm

ME303100 Thickness: **10.0mm**, Size: 150x150 mm to 300x300 mm

ME303120 Thickness: **12.0mm**, Size: 150x150 mm to 300x300 mm

ME303250 Thickness: **25.0mm**, Size: 150x150 mm to 300x300 mm



Monofilament

ME305910 Diameter: **1.0mm**, Condition: Optical fiber



Rod

ME307901 Diameter: **1mm**, Length: 1000 mm

ME307902 Diameter: **2mm**, Length: 1000 mm

ME307903 Diameter: **3mm**, Length: 1000 mm

ME307905 Diameter: **5mm**, Length: 500 mm to 1000 mm

ME307908 Diameter: **8mm**, Color: Natural, Length: 250 mm to 1000 mm

ME307911 Diameter: **10mm**, Grade: High purity, Condition: Free from UV absorber, Length: 157 mm

ME307910 Diameter: **10mm**, Length: 250 mm to 1000 mm

ME307915 Diameter: **15mm**, Grade: High purity, Condition: Free from UV absorber, Length: 62 mm to 195 mm

ME307925 Diameter: **20mm**, Grade: High purity, Condition: Free from UV absorber, Length: 165 mm

ME307920 Diameter: **20mm**, Condition: Cast, Length: 500 mm to 1000 mm

ME307930 Diameter: **25mm**, Color: Clear, Grade: High purity, Condition: Free from UV absorber, Length: 145 mm

ME307950 Diameter: **50mm**, Color: Clear, Condition: Cast, Length: 200 mm to 1000 mm

ME307955 Diameter: **55mm**, Color: Clear, Condition: Cast, Length: 100 mm to 500 mm

ME307980 Diameter: **100mm**, Length: 50 mm to 500 mm



Tube

ME307050 Outside Diameter: **10mm**, Wall Thickness: 1.5mm, Inside Diameter: 7mm, Condition: Extruded, Length: 500 mm to 1000 mm

ME307100 Outside Diameter: **13mm**, Wall Thickness: 1.5mm, Inside Diameter: 10mm, Condition: Extruded, Length: 500 mm to 1000 mm

ME307200 Outside Diameter: **20mm**, Wall Thickness: 2mm, Inside Diameter: 16mm, Condition: Extruded, Length: 100 mm to 1000 mm

ME307300 Outside Diameter: **30mm**, Wall Thickness: 3mm, Inside Diameter: 24mm, Condition: Cast, Length: 100 mm to 1000 mm

ME307400 Outside Diameter: **40mm**, Wall Thickness: 3mm, Inside Diameter: 34mm, Condition: Extruded, Length: 100 mm to 1000 mm

ME307410 Outside Diameter: **40mm**, Wall Thickness: 3mm, Inside Diameter: 34mm, Condition: Cast, Length: 100 mm to 1000 mm

ME307500 Outside Diameter: **50mm**, Wall Thickness: 3mm, Inside Diameter: 44mm, Condition: Extruded, Length: 100 mm to 1000 mm



Powder

ME306006 Mean Particle size: **6micron**, Condition: Spherical

ME306009 Mean Particle size: **10micron**, Condition: Spherical

ME306015 Mean Particle size: **15micron**, Condition: Spherical

ME306048 Mean Particle size: **48micron**, Molecular weight: 900-1500k g/mol, Condition: Spherical

ME306010 Mean Particle size: **600micron**, Condition: Additive free polymer, Condition: Spherical, Condition: Extrusion grade

ME306020 Max. Particle size: **600micron**, Color: Natural, Condition: Additive free polymer, Condition: Spherical, Condition: Injection molding grade



Sphere

ME306810 Diameter: **1.5mm**, Tolerance: ± 0.05 mm, Sphericity: 0.05mm, Grade: Precision Sphere

ME306820 Diameter: **3.18mm**, Tolerance: ± 0.05 mm, Sphericity: 0.025mm, Grade: Precision Sphere

Polymethylpentene (TPX®)

TPX®



Film

ME311050 Thickness: **0.05mm**, Color: Natural, Grade: MX004, Coil width 600 mm, Size: 100x100 mm to 300x300 mm

Polymers

ME311051 Thickness: **0.050mm**, Color: Natural, Grade: MX002, Coil width 648 mm, Size: 100x100 mm to 300x300 mm

ME311070 Thickness: **0.09mm**, Coil width 610 mm, Size: 150x150 mm to 300x300 mm

ME311100 Thickness: **0.125mm**, Coil width 670 mm, Size: 150x150 mm to 300x300 mm

ME311150 Thickness: **0.25mm**, Coil width 660 mm, Size: 150x150 mm to 300x300 mm

ME311250 Thickness: **0.5mm**, Coil width 420 mm, Size: 150x150 mm to 420x420 mm



Sheet

ME313201 Thickness: **2.0mm**, Color: Natural, Grade: RT18, Condition: Compression molded, Size: 80x80 mm to 344x344 mm

ME313300 Thickness: **3.0mm**, Color: Natural, Grade: RT18, Condition: Compression molded, Size: 80x80 mm to 344x344 mm

ME313370 Thickness: **4.8mm**, Grade: RT18, Condition: Compression molded, Condition: Mottled surface, Size: 70x70 mm to 145x145 mm

ME313380 Thickness: **5.0mm**, Color: Natural, Grade: RT18, Condition: Compression molded, Size: 80x80 mm to 340x340 mm

ME313406 Thickness: **6.0mm**, Color: Natural, Grade: RT18, Condition: Compression molded, Size: 80x80 mm to 340x340 mm

ME313411 Thickness: **10mm**, Color: Natural, Grade: MX004, Condition: Injection molded, Size: 170x180 mm

ME313410 Thickness: **10mm**, Color: Natural, Grade: DX845, Condition: Extruded, Size: 100x100 mm to 300x300 mm

ME313415 Thickness: **12.7mm**, Color: Natural, Grade: DX845, Condition: Extruded, Size: 100x100 mm to 300x300 mm

ME313435 Thickness: **22.5mm**, Color: Natural, Grade: DX845, Condition: Extruded, Size: 100x100 mm to 150x300 mm

ME313460 Thickness: **28mm**, Condition: Extruded, Condition: Machining feedstock, Size: 75x75 mm to 150x1200 mm

ME313470 Thickness: **30mm**, Condition: Extruded, Size: 100x100 mm to 300x300 mm



Monofilament

ME315914 Diameter: **1.4mm**, Color: Yellow, Grade: MX002



Rod

ME317904 Diameter: **6.35mm**, Color: Natural, Grade: RT18, Length: 100 mm to 1000 mm

ME317906 Diameter: **6.35mm**, Color: Natural, Grade: MX002, Length: 100 mm to 1000 mm

ME317907 Diameter: **6.35mm**, Color: Natural, Grade: MX004, Length: 100 mm to 1000 mm

ME317910 Diameter: **6.35mm**, Color: Natural, Grade: DX845, Length: 100 mm to 1000 mm

ME317905 Diameter: **9.5mm**, Color: Natural, Grade: RT18, Length: 100 mm to 1000 mm

ME317909 Diameter: **9.5mm**, Color: Natural, Grade: MX002, Length: 100 mm to 1000 mm

ME317908 Diameter: **9.5mm**, Color: Natural, Grade: MX004, Length: 100 mm to 1000 mm

ME317915 Diameter: **9.5mm**, Color: Natural, Grade: DX845, Length: 100 mm to 1000 mm

ME317916 Diameter: **12.7mm**, Color: Natural, Grade: DX845, Length: 100 mm to 1220 mm

ME317913 Diameter: **13mm**, Color: Natural, Grade: RT18, Length: 100 mm to 1000 mm

ME317912 Diameter: **13mm**, Color: Natural, Grade: MX002, Length: 100 mm to 1000 mm

ME317911 Diameter: **13mm**, Color: Natural, Grade: MX004, Length: 100 mm to 1000 mm

ME317903 Diameter: **13mm**, Color: Natural, Grade: DX845, Length: 100 mm to 1000 mm

ME317917 Diameter: **18mm**, Color: Natural, Grade: RT18, Length: 100 mm to 1000 mm

ME317919 Diameter: **18mm**, Color: Natural, Grade: MX002, Length: 100 mm to 1000 mm

ME317914 Diameter: **18mm**, Color: Natural, Grade: MX004, Length: 100 mm to 1000 mm

ME317900 Diameter: **18mm**, Color: Natural, Grade: DX845, Length: 100 mm to 1000 mm

ME317918 Diameter: **19mm**, Color: Natural, Grade: DX845, Length: 100 mm to 1220 mm

ME317920 Diameter: **20mm**, Color: Natural, Grade: MX004, Length: 100 mm to 500 mm

ME317924 Diameter: **24mm**, Color: Colorless, Grade: RT18, Condition: Extruded, Length: 100 mm to 1000 mm

ME317927 Diameter: **25mm**, Color: Natural, Grade: RT18, Length: 100 mm to 1000 mm

ME317926 Diameter: **25mm**, Color: Natural, Grade: MX002, Length: 100 mm to 1000 mm

ME317923 Diameter: **25mm**, Color: Natural, Grade: MX004, Length: 100 mm to 1000 mm

ME317925 Diameter: **25mm**, Color: Natural, Grade: DX845, Length: 100 mm to 1000 mm

ME317933 Diameter: **33mm**, Color: Natural, Grade: RT18, Length: 50 mm to 1000 mm

ME317934 Diameter: **33mm**, Color: Natural, Grade: MX002, Length: 100 mm to 1000 mm

ME317935 Diameter: **33mm**, Color: Natural, Grade: MX004, Length: 100 mm to 1000 mm

ME317932 Diameter: **33mm**, Color: Natural, Grade: DX845, Length: 100 mm to 1000 mm

ME317937 Diameter: **36.9mm**, Color: Natural, Grade: RT18, Length: 100 mm to 1000 mm

ME317930 Diameter: **38mm**, Color: Natural, Grade: RT18, Length: 100 mm to 1000 mm

ME317939 Diameter: **38mm**, Color: Natural, Grade: MX002, Length: 100 mm to 1000 mm

ME317936 Diameter: **38mm**, Color: Natural, Grade: MX004, Length: 100 mm to 1000 mm

ME317938 Diameter: **38mm**, Color: Natural, Grade: DX845, Length: 50 mm to 1000 mm

ME317950 Diameter: **50mm**, Length: 50 mm to 200 mm

ME317953 Diameter: **50mm**, Color: Natural, Grade: RT18, Length: 100 mm to 1000 mm

ME317951 Diameter: **50mm**, Color: Natural, Grade: MX002, Length: 100 mm to 1000 mm

ME317952 Diameter: **50mm**, Color: Natural, Grade: MX004, Length: 100 mm to 1000 mm

ME317955 Diameter: **55mm**, Color: Natural, Grade: RT18, Length: 100 mm to 500 mm



Granule

ME316300 Nominal Granule Size: **3mm**, Grade: RT18

Polymers

- ME316301** Nominal Granule Size: **3mm**, Grade: RT18XB
- ME316302** Nominal Granule Size: **3mm**, Grade: DX820
- ME316303** Nominal Granule Size: **3mm**, Grade: MX002
- ME316304** Nominal Granule Size: **3mm**, Grade: MX004
- ME316305** Nominal Granule Size: **3mm**, Grade: DX845
- ME316306** Nominal Granule Size: **3mm**, Grade: DX560M
- ME316307** Nominal Granule Size: **3mm**, Grade: RT31
- ME316309** Nominal Granule Size: **3mm**, Grade: DX310
- ME316308** Nominal Granule Size: **3mm**, Color: White, Grade: MBZ230
- ME316310** Nominal Granule Size: **3mm**, Grade: MX001

Polyoxymethylene - Copolymer (Acetal - Copolymer POMC)

Celcon, Hostaform, Kemetal, Ultraform



Sheet

- OX303010** Thickness: **1mm**, Tolerance: 15 %, Size: 150x150 mm to 1000x1000 mm
- OX303030** Thickness: **3mm**, Size: 300x300 mm
- OX303100** Thickness: **10mm**, Size: 150x150 mm to 300x300 mm



Rod

- OX307905** Diameter: **5mm**, Color: Natural, Length: 1000 mm
- OX307910** Diameter: **10mm**, Color: Natural, Length: 1000 mm
- OX307920** Diameter: **20mm**, Color: Natural, Length: 100 mm to 1000 mm
- OX307925** Diameter: **25mm**, Color: Natural, Length: 200 mm to 1000 mm
- OX307926** Diameter: **25mm**, Color: Red, Length: 200 mm to 1000 mm
- OX307927** Diameter: **25mm**, Color: Green, Length: 200 mm to 1000 mm
- OX307928** Diameter: **25mm**, Color: Blue, Length: 200 mm to 1000 mm
- OX307929** Diameter: **25mm**, Color: Yellow, Length: 200 mm to 1000 mm
- OX307930** Diameter: **25mm**, Color: Natural, Grade: ESD 90, Length: 50 mm to 500 mm
- OX307931** Diameter: **30mm**, Color: Black, Grade: ESD 60, Length: 50 mm to 500 mm
- OX307950** Diameter: **50mm**, Color: Natural, Length: 200 mm to 1000 mm
- OX307970** Diameter: **90mm**, Tolerance: +20%/-10%, Color: Yellow similar to RAL 1007, Length: 100 mm to 1000 mm
- OX307980** Diameter: **100mm**, Color: Natural, Length: 50 mm to 500 mm
- OX307990** Diameter: **150mm**, Color: Natural, Length: 50 mm to 200 mm



Granule

- OX306300** Nominal Granule Size: **3mm**, Color: Natural, Condition: Injection molding grade



Sphere

- OX306850** Diameter: **12.7mm**
- OX306860** Diameter: **16.0mm**, Tolerance: ± 0.1 mm

Polyoxymethylene - Homopolymer (Acetal - Homopolymer POMH)

Delrin, Tenac



Film

- OX311050** Thickness: **0.5mm**, Size: 150x150 mm to 300x300 mm



Sheet

- OX313050** Thickness: **5mm**, Size: 150x150 mm to 300x300 mm
- OX313080** Thickness: **10mm**, Size: 150x150 mm to 300x300 mm
- OX313100** Thickness: **12mm**, Size: 150x150 mm to 300x300 mm



Rod

- OX317910** Diameter: **10mm**, Color: White, Length: 1000 mm
- OX317925** Diameter: **25mm**, Color: White, Length: 100 mm to 1000 mm
- OX317950** Diameter: **50mm**, Color: White, Length: 100 mm to 1000 mm
- OX317980** Diameter: **100mm**, Color: White, Length: 50 mm to 500 mm



Granule

- OX316300** Nominal Granule Size: **3mm**, Color: Natural, Condition: Lubricated grade, Condition: Injection molding grade
- OX316310** Nominal Granule Size: **3mm**, Color: Natural, Condition: Lubricated grade, Condition: Toughened grade, Condition: Injection molding grade



Sphere

- OX316810** Diameter: **1.59mm**, Tolerance: ± 0.05 mm, Sphericity: 0.025mm, Grade: Precision Sphere

Polyoxymethylene Homopolymer 20% PTFE Fiber Filled (POM H 20% PTFE)



Granule

- OX356300** Nominal Granule Size: **3mm**, Color: Natural, Condition: Lubricated grade, Condition: Injection molding grade

Polyoxymethylene Homopolymer 25% Glass Fiber Filled (POM H 30% GFR)

Delrin



Granule

- OX346300** Nominal Granule Size: **3mm**, Color: Natural, Condition: Injection molding grade

Polyoxymethylene/Acetal Copolymer - 10% Carbon Fiber Reinforced (POMC - 10% CFR)



Granule

- OX336310** Nominal Granule Size: **3mm**, Color: Black

Polymers

Polyphenyleneoxide (PPO (modified), PPE (modified))

Noryl, Vestoran, Luranyl



Sheet

PH303060 Thickness: **6mm**, Color: Pale gray, Size: 100x100 mm to 300x300 mm



Rod

PH307906 Diameter: **6mm**, Color: Pale gray, Length: 500 mm to 1000 mm

PH307910 Diameter: **10mm**, Color: Pale gray, Length: 500 mm to 1000 mm

PH307912 Diameter: **12mm**, Color: Pale gray, Length: 500 mm to 1000 mm

PH307920 Diameter: **20mm**, Color: Pale gray, Length: 100 mm to 1000 mm

PH307930 Diameter: **30mm**, Color: Pale gray, Length: 100 mm to 1000 mm

PH307950 Diameter: **50mm**, Color: Pale gray, Length: 100 mm to 1000 mm

PH307980 Diameter: **100mm**, Color: Pale gray, Length: 50 mm to 200 mm

PH307990 Diameter: **150mm**, Color: Pale gray, Length: 50 mm to 100 mm

Polyphenyleneoxide (modified), 30% Glass Fiber Reinforced (PPO 30% GFR)

Noryl, Vestoran, Luranyl



Sheet

PH131250 Thickness: **30mm**, Size: 150x150 mm to 300x300 mm



Rod

PH171910 Diameter: **10mm**, Color: Yellow-Brown, Length: 100 mm to 1000 mm

PH171930 Diameter: **30mm**, Color: Yellow-Brown, Length: 100 mm to 1000 mm

Polyphenylenesulfide (PPS)



Film

SU321100 Thickness: **0.1mm**, Color: Natural, Coil width 380 mm, Size: 100x100 mm to 380x380 mm

SU321160 Thickness: **0.16mm**, Color: Natural, Coil width 420 mm, Size: 100x100 mm to 400x400 mm

SU321225 Thickness: **0.225mm**, Color: Black, Coil width 420 mm, Size: 100x100 mm to 400x400 mm

SU321400 Thickness: **0.4mm**, Color: Natural, Coil width 420 mm, Size: 100x100 mm to 400x400 mm



Monofilament

SU325950 Diameter: **0.5 mm**, Color: Transparent pale amber, Condition: Unfilled



Bolt

SU32BO20 Size: **M2 x 10 mm**, Head Style: Cross recessed pan head, Pitch: 0.4 mm, Quantity: 10 pcs

SU32BO40 Size: **M4 x 10 mm**, Head Style: Cross recessed pan head, Pitch: 0.7 mm, Quantity: 10 pcs

SU32BO60 Size: **M6 x 10 mm**, Head Style: Cross recessed pan head, Pitch: 1 mm, Quantity: 10 pcs

SU32BO80 Size: **M8 x 10 mm**, Head Style: Cross recessed pan head, Pitch: 1.25, Quantity: 10 pcs



Nut

SU32NU02 Size: **M2**, Style: Hexagonal, Pitch: 0.4 mm, Quantity: 10 pcs

SU32NU04 Size: **M4**, Style: Hexagonal, Pitch: 0.7 mm, Quantity: 10 pcs

SU32NU06 Size: **M6**, Style: Hexagonal, Pitch: 1 mm, Quantity: 10 pcs

SU32NU08 Size: **M8**, Style: Hexagonal, Pitch: 1.25 mm, Quantity: 10 pcs



Washer

SU32WA02 Size: **M3**, Outside Diameter: 7 mm, Inside Diameter: 3.2 mm, Thickness: 0.5 mm, Quantity: 10 pcs

SU32WA04 Size: **M4**, Outside Diameter: 9 mm, Inside Diameter: 4.3 mm, Thickness: 0.8 mm, Quantity: 10 pcs

SU32WA06 Size: **M6**, Outside Diameter: 12.5 mm, Inside Diameter: 6.4 mm, Thickness: 1.6 mm, Quantity: 10 pcs

SU32WA08 Size: **M8**, Outside Diameter: 17 mm, Inside Diameter: 8.4 mm, Thickness: 1.6 mm, Quantity: 10 pcs

Polyphenylenesulfide - 20% Carbon Fiber Reinforced (PPS - 20% CFR)



Granule

SU356310 Nominal Granule Size: **3mm**, Color: Black

Polyphenylenesulfide - 40% Glass Fiber Reinforced (PPS - 40% GFR)

Fortron, Ryton, Supec



Sheet

SU313060 Thickness: **6mm**, Color: Black, Grade: Fortron 1140L0, Size: 50x50 mm to 260x260 mm

SU313065 Thickness: **7mm**, Color: Black, Grade: Fortron 1140L0, Size: 50x50 mm to 250x250 mm

SU313100 Thickness: **10mm**, Color: Black, Grade: Fortron 1140L0, Size: 48x48 mm to 152x152 mm



Rod

SU317910 Diameter: **10mm**, Length: 100 mm to 1000 mm

SU317915 Diameter: **12mm**, Length: 100 mm to 1000 mm

SU317920 Diameter: **20mm**, Length: 100 mm to 1000 mm

SU317927 Diameter: **27mm**, Length: 100 mm to 1000 mm

SU317940 Diameter: **40mm**, Length: 50 mm to 1000 mm



Granule

SU316300 Nominal Granule Size: **3mm**

Polyphenylsulfone (PPSu)

Radel R



Sheet

SU333020 Thickness: **5.5mm**, Color: Blue, Size: 165x165 mm

Polymers



Rod

- SU337912** Diameter: **12.7mm**, Color: Black, Length: 100 mm to 1000 mm
- SU337920** Diameter: **20mm**, Color: Black, Length: 100 mm to 1000 mm
- SU337930** Diameter: **30mm**, Color: Black, Length: 100 mm to 1000 mm
- SU337940** Diameter: **40mm**, Color: Black, Length: 50 mm to 1000 mm
- SU337950** Diameter: **50mm**, Color: Black, Length: 100 mm to 1000 mm

Polyphthalamide 35% glass fiber filled (PPA)



Granule

- PH356300** Nominal Granule Size: **3mm**, Color: Natural, Condition: Heat stabilized, Condition: Lubricated grade, Condition: Injection molding grade

Polyphthalamide 50% glass fiber filled (PPA)



Granule

- PH366300** Nominal Granule Size: **3mm**, Color: Natural, Condition: Heat stabilized, Condition: Lubricated grade, Condition: Injection molding grade

Polyphthalamide 55% glass fiber filled (PPA)



Granule

- PH376300** Nominal Granule Size: **3mm**, Color: Natural, Condition: Injection molding grade

Polypropylene (PP)

Appryl, Hostalen PP, Lacqtene, Novolen, Propathene



Film

- PP301040** Thickness: **0.004 mm**, Condition: Biaxially Oriented, Coil width 315 mm, Size: 100x100 mm to 300x300 mm
- PP301081** Thickness: **0.008 mm**, Condition: Biaxially Oriented, Length: 0.5 m to 20 m
- PP301101** Thickness: **0.01 mm**, Condition: Biaxially Oriented, Length: 0.5 m to 20 m
- PP301100** Thickness: **0.01 mm**, Condition: Biaxially Oriented, Coil width 550 mm, Size: 100x100 mm to 500x500 mm
- PP301120** Thickness: **0.012 mm**, Condition: Biaxially Oriented, Coil width 300 mm, Size: 100x100 mm to 300x300 mm
- PP301130** Thickness: **0.013 mm**, Condition: Biaxially Oriented, Coil width 295 mm, Size: 100x100 mm to 150x150 mm
- PP301150** Thickness: **0.015 mm**, Condition: Biaxially Oriented, Coil width 300 mm, Size: 100x100 mm to 300x300 mm
- PP301025** Thickness: **0.025 mm**, Condition: Biaxially Oriented, Coil width 600 mm, Size: 100x100 mm to 600x600 mm
- PP301300** Thickness: **0.030mm**, Grade: Heat sealable, Coil width 320 mm, Size: 100x100 mm to 300x300 mm

- PP301320** Thickness: **0.03 mm**, Condition: Biaxially Oriented, Coil width 600 mm, Size: 150x150 mm to 300x300 mm

- PP301341** Thickness: **0.04 mm**, Condition: Biaxially Oriented, Coil width 200 mm, Size: 200x200 mm

- PP301340** Thickness: **0.04 mm**, Condition: Biaxially Oriented, Coil width 650 mm, Size: 100x100 mm to 600x600 mm

- PP301350** Thickness: **0.05mm**, Color: Clear, Condition: Transparent, Condition: Biaxially Oriented, Coil width 600 mm, Size: 150x150 mm to 600x600 mm

- PP301351** Thickness: **0.05mm**, Grade: Heat sealable, Color: Clear, Condition: Transparent, Condition: Biaxially Oriented, Coil width 600 mm, Size: 150x150 mm to 300x300 mm

- PP301418** Thickness: **0.18mm**, Condition: Copolymer, Coil width 310 mm, Size: 150x150 mm to 300x300 mm

- PP301440** Thickness: **0.50mm**, Condition: Copolymer, Coil width 600 mm, Size: 150x150 mm to 300x300 mm

- PP301460** Thickness: **0.55mm**, Condition: Copolymer, Coil width 920 mm, Size: 150x150 mm to 900x900 mm



Metallized Film

- PP301880** Thickness: **0.008mm**, Coil width: 75mm, Ohms/Square: 3, Metallized with: Aluminum, Metallization: One side only, Length: 0.5 m to 50 m



Laminate

- PP301540** Thickness: **0.07mm**, Polymer Thickness: 0.050 mm, Backing Material: 0.020mm Polypropylene, Coil width 600 mm, Size: 150x150 mm to 600x600 mm



Honeycomb

- PP302800** Thickness: **10mm**, Cell size: 8mm, Cell Wall: 0.25mm, Core Density: 0.08g.cm⁻³, Adhesive: None - cells are fused together, Facing skin: Non-woven polyester veil, Size: 300x300 mm to 600x600 mm
- PP302850** Thickness: **10mm**, Cell size: 10mm, Cell Wall: 0.25mm, Core Density: 0.064g.cm⁻³, Adhesive: None - cells are fused together, Facing skin: Non-woven polyester veil, Size: 300x300 mm to 600x600 mm
- PP302810** Thickness: **20mm**, Cell size: 8mm, Cell Wall: 0.25mm, Core Density: 0.08g.cm⁻³, Adhesive: None - cells are fused together, Facing skin: Non-woven polyester veil, Size: 300x300 mm to 600x600 mm
- PP302851** Thickness: **20mm**, Cell size: 10mm, Cell Wall: 0.25mm, Core Density: 0.064g.cm⁻³, Adhesive: None - cells are fused together, Facing skin: Non-woven polyester veil, Size: 300x300 mm to 600x600 mm



Sheet

- PP303100** Thickness: **1.0mm**, Size: 150x150 mm to 500x500 mm
- PP303150** Thickness: **1.5mm**, Color: Natural, Condition: Homopolymer, Size: 150x150 mm to 600x600 mm
- PP303030** Thickness: **3.0mm**, Color: Natural, Condition: Homopolymer, Size: 100x100 mm to 500x500 mm

Polymers

PP303050 Thickness: **4.5mm**, Size: 100x100 mm to 300x300 mm

PP303055 Thickness: **5.0mm**, Color: Natural, Condition: Homopolymer, Size: 100x100 mm to 500x500 mm

PP303300 Thickness: **10mm**, Size: 100x100 mm to 300x300 mm

PP303400 Thickness: **25mm**, Size: 100x100 mm to 495x495 mm



Mesh

PP308706 Nominal Aperture: **34µm**, Monofil diameter: 150µm, Threads/cm: 70, Open area: 4%, Weave: Satin, Size: 250x250 mm to 500x500 mm

PP308710 Nominal Aperture: **125µm**, Monofil diameter: 110µm, Threads/cm: 43, Open area: 29%, Type: Plain weave mesh, Size: 250x250 mm to 500x500 mm



Fiber

PP305747 Tex Number: **47**, Number of filaments: 86, Condition: Medium Tenacity



Rod

PP307907 Diameter: **8mm**, Condition: Homopolymer, Length: 500 mm to 1000 mm

PP307910 Diameter: **10mm**, Condition: Homopolymer, Length: 500 mm to 1000 mm

PP307925 Diameter: **25mm**, Condition: Homopolymer, Length: 200 mm to 1000 mm

PP307950 Diameter: **50mm**, Condition: Homopolymer, Length: 100 mm to 1000 mm

PP307980 Diameter: **100mm**, Length: 100 mm to 1000 mm

PP307990 Diameter: **150mm**, Length: 50 mm to 500 mm



Tube

PP307500 Outside Diameter: **50mm**, Wall Thickness: 1.1mm, Inside Diameter: 47.8mm, Color: Gray, Condition: Biaxially Oriented tube, Length: 100 mm to 500 mm



Granule

PP306320 Nominal Granule Size: **3mm**, Condition: Block copolymer

PP306315 Nominal Granule Size: **4mm**, Condition: Isotactic

PP306312 Nominal Granule Size: **5mm**, Condition: Homopolymer, Melt Flow Rate (MFR): 6

PP306305 Condition: **Waxy gel**, Condition: Atactic



Sphere

PP306820 Diameter: **3.18mm**, Tolerance: ± 0.05 mm, Sphericity: 0.025mm, Grade: Precision Sphere

PP306850 Diameter: **9mm**, Color: Red

PP306880 Diameter: **19.05mm**, Tolerance: ± 0.25 mm, Grade: Precision Sphere, Condition: Hollow

Polystyrene (PS)

Polystyrol, Styron



Film

ST311025 Thickness: **0.025mm**, Coil width: 300mm, Tolerance: 20 %, Color: Clear, Condition: Transparent, Condition: Biaxially Oriented, Condition: Additive free polymer, Length: 1 m to 20 m

ST311030 Thickness: **0.030mm**, Coil width: 300mm, Tolerance: 20 %, Color: Clear, Condition: Transparent, Condition: Biaxially Oriented, Length: 1 m to 20 m

ST311050 Thickness: **0.05mm**, Color: Clear, Condition: Transparent, Condition: Biaxially Oriented, Condition: Additive free polymer, Coil width 600 mm, Size: 150x150 mm to 600x600 mm

ST311125 Thickness: **0.125mm**, Color: Clear, Condition: Transparent, Condition: Biaxially Oriented, Coil width 600 mm, Size: 150x150 mm to 600x600 mm

ST311190 Thickness: **0.19mm**, Color: Clear, Condition: Transparent, Condition: Biaxially Oriented, Coil width 350 mm, Size: 150x150 mm to 300x300 mm



Sheet

ST313120 Thickness: **1.2mm**, Condition: Crystal, Condition: Transparent, Size: 100x100 mm to 300x300 mm

ST313200 Thickness: **2.0mm**, Condition: Crystal, Condition: Transparent, Size: 100x100 mm to 600x600 mm

ST313400 Thickness: **4.0mm**, Condition: Crystal, Condition: Transparent, Size: 100x100 mm to 300x300 mm

ST313480 Thickness: **10.0mm**, Condition: Crystal, Condition: Transparent, Size: 100x100 mm



Powder

ST316051 Mean Particle size: **250micron**, Condition: Homopolymer

ST316090 Mean Particle size: **900micron**, Condition: Expandable bead, Condition: Contains pentane



Granule

ST316310 Nominal Granule Size: **3.5mm**, Melt Flow Rate (MFR): 2.5-3, Molecular weight: 280k g/mol

Polystyrene - Conductive (High Impact Conductive Polystyrene)



Sheet

ST323100 Thickness: **1.0mm**, Color: Black, Condition: Conductive polymer, Size: 100x100 mm to 300x300 mm

ST323200 Thickness: **2.0mm**, Color: Black, Condition: Conductive polymer, Size: 100x100 mm to 300x300 mm

ST323300 Thickness: **3.0mm**, Color: Black, Condition: Conductive polymer, Size: 100x100 mm to 300x300 mm

Polystyrene - Cross-linked (PS - X - Linked)

Q.200.5, Rexolite



Sheet

ST303009 Thickness: **0.9mm**, Size: 150x150 mm to 610x610 mm

ST303016 Thickness: **1.6mm**, Size: 150x150 mm to 610x610 mm

ST303024 Thickness: **2.4mm**

ST303032 Thickness: **3.2mm**, Size: 150x150 mm to 610x610 mm

Polymers

ST303064 Thickness: **6.4mm**, Size: 150x150 mm to 300x300 mm

ST303127 Thickness: **12.7mm**, Size: 100x100 mm to 610x610 mm

ST303130 Thickness: **15.9mm**, Size: 100x100 mm to 610x610 mm

ST303150 Thickness: **25.4mm**, Size: 130x150 mm to 317x320 mm

ST303175 Thickness: **50.8mm**, Size: 155x157 mm to 305x305 mm



Rod

ST307910 Diameter: **1.6mm**, Length: 100 mm to 1000 mm

ST307930 Diameter: **6.35mm**, Length: 100 mm to 1000 mm

ST307950 Diameter: **9.5mm**, Length: 100 mm to 1200 mm

ST307960 Diameter: **12.7mm**, Length: 100 mm to 1000 mm

ST307965 Diameter: **19mm**, Length: 100 mm to 1000 mm

ST307970 Diameter: **25mm**, Length: 100 mm to 1000 mm

ST307980 Diameter: **38mm**, Length: 100 mm to 1000 mm

ST307990 Diameter: **50mm**, Length: 100 mm to 1000 mm

ST307995 Diameter: **70mm**, Length: 50 mm to 1220 mm

ST307997 Diameter: **89mm**, Length: 50 mm to 200 mm

ST307998 Diameter: **152.4mm**, Length: 50 mm to 200 mm

Polysulfone (PSu)

Udel[®], Ultrason[®] S



Film

SU341025 Thickness: **0.025mm**, Coil width 600 mm, Size: 150x150 mm to 300x300 mm

SU341100 Thickness: **0.1mm**, Coil width 660 mm, Size: 150x150 mm to 300x300 mm

SU341450 Thickness: **0.9mm**, Size: 150x150 mm to 300x300 mm



Rod

SU347910 Diameter: **10mm**, Color: Natural, Length: 100 mm to 1000 mm

SU347925 Diameter: **25mm**, Color: Natural, Length: 100 mm to 1000 mm

SU347930 Diameter: **30mm**, Color: Natural, Length: 100 mm to 1000 mm

SU347950 Diameter: **50mm**, Color: Natural, Length: 50 mm to 1000 mm



Granule

SU346320 Nominal Granule Size: **2mm**, Color: Natural, Grade: Udel[®] P 1700

SU346310 Nominal Granule Size: **3mm**, Color: Natural, Condition: High viscosity, Condition: Injection molding grade

Polytetrafluoroethylene (PTFE)

Fluon, Hostaflon TF



Film

FP301050 Thickness: **0.005mm**, Coil width: 450mm, Length: 0.1 m to 2 m

FP301100 Thickness: **0.01mm**, Coil width 450 mm, Size: 100x100 mm to 300x300 mm

FP301200 Thickness: **0.025mm**, Coil width 305 mm, Size: 100x100 mm to 300x300 mm

FP301252 Thickness: **0.045mm**, Pore size: 0.2μm, Condition: Porous Membrane, Coil width 305 mm, Size: 200x300 mm

FP301250 Thickness: **0.05mm**, Tolerance: 20 %, Coil width 300 mm, Size: 100x100 mm to 300x300 mm

FP301253 Thickness: **0.063mm**, Pore size: 0.2μm, Porosity: 78%, Condition: Porous Membrane, Condition: Supported, Size: 140x200 mm to 200x300 mm

FP301265 Thickness: **0.063mm**, Pore size: 0.45μm, Porosity: 84%, Condition: Porous Membrane, Coil width 300 mm, Size: 150x200 mm to 200x300 mm

FP301276 Thickness: **0.085mm**, Pore size: 0.02μm, Porosity: 50%, Condition: Porous Membrane, Condition: Supported, Size: 140x200 mm to 200x300 mm

FP301300 Thickness: **0.1mm**, Coil width 309 mm, Size: 100x100 mm to 300x300 mm

FP301301 Thickness: **0.1mm**, Coil width: 610mm, Length: 0.5 m to 10 m

FP301305 Thickness: **0.15mm**, Coil width 310 mm, Size: 150x150 mm to 300x300 mm

FP301312 Thickness: **0.175mm**, Pore size: 5.0μm, Porosity: 35%, Condition: Porous Membrane, B a c k i n g s u p p o r t : 0.15mm thick Webril[®] Polypropylene non-woven fabric, Size: 200x310 mm

FP301340 Thickness: **0.20mm**, Coil width 328 mm, Size: 150x150 mm to 300x300 mm

FP301310 Thickness: **0.21mm**, Pore size: 1.0μm, Porosity: 51.5%, Condition: Porous Membrane, Backing support: 0.15mm thick Webril[®] Polypropylene non-woven fabric, Size: 200x300 mm

FP301316 Thickness: **0.21mm**, Pore size: 0.45μm, Porosity: 64%, Condition: Porous Membrane, Condition: Supported, Size: 200x300 mm

FP301350 Thickness: **0.25mm**, Coil width 319 mm, Size: 150x150 mm to 300x300 mm

FP301324 Thickness: **0.263mm**, Pore size: 1.0μm, Porosity: 51.5%, Condition: Porous Membrane, B a c k i n g s u p p o r t : Reemay[®] non-woven 0.2mm thick Polyester, Size: 200x300 mm

FP301375 Thickness: **0.30mm**, Coil width 300 mm, Size: 150x150 mm to 300x300 mm

FP301400 Thickness: **0.5mm**, Coil width 610 mm, Size: 100x100 mm to 600x600 mm



Sheet

FP303050 Thickness: **1.0mm**, Size: 100x100 mm to 600x600 mm

FP303100 Thickness: **2.0mm**, Size: 100x100 mm to 300x300 mm

FP303150 Thickness: **3.0mm**, Size: 100x100 mm to 300x300 mm

FP303200 Thickness: **5.0mm**, Size: 100x100 mm to 300x300 mm

FP303250 Thickness: **10.0mm**, Size: 100x100 mm to 300x300 mm

FP303220 Thickness: **20.0mm**, Size: 100x100 mm to 610x610 mm



Fiber

FP305722 Tex Number: **22**, Filament diameter: 0.0211mm, Number of filaments: 30, Color: Brown

Polymers

FP305744 Tex Number: **44**, Filament diameter: 0.0211mm, Number of filaments: 60, Color: Brown



Rod

FP307901 Diameter: **1.0mm**, Length: 500 mm to 1000 mm
FP307905 Diameter: **2.0mm**, Length: 500 mm to 1000 mm
FP307908 Diameter: **2.5mm**, Length: 500 mm to 1000 mm
FP307910 Diameter: **3.0mm**, Length: 500 mm to 1000 mm
FP307920 Diameter: **4.0mm**, Length: 500 mm to 1000 mm
FP307925 Diameter: **5.0mm**, Length: 500 mm to 1000 mm
FP307950 Diameter: **8.0mm**, Length: 500 mm to 1000 mm
FP307975 Diameter: **10.0mm**, Length: 200 mm to 1000 mm
FP307977 Diameter: **13mm**, Length: 200 mm to 1000 mm
FP307979 Diameter: **20mm**, Length: 100 mm to 1000 mm
FP307980 Diameter: **25.0mm**, Length: 100 mm to 1000 mm
FP307985 Diameter: **50.0mm**, Length: 50 mm to 500 mm
FP307986 Diameter: **60mm**, Length: 50 mm to 500 mm
FP307990 Diameter: **100mm**, Length: 25 mm to 200 mm



Tube

FP307003 Outside Diameter: **0.37mm**, Wall Thickness: 0.15mm, Inside Diameter: 0.07mm, Length, : 1 m to 20 m
FP307004 Outside Diameter: **0.41mm**, Wall Thickness: 0.13mm, Inside Diameter: 0.15mm, Length, : 1 m to 20 m
FP307006 Outside Diameter: **0.56mm**, Wall Thickness: 0.08mm, Inside Diameter: 0.4mm, Length, : 1 m to 20 m
FP307007 Outside Diameter: **0.8mm**, Wall Thickness: 0.25mm, Inside Diameter: 0.3mm, Length, : 1 m to 50 m
FP307009 Outside Diameter: **1.0mm**, Wall Thickness: 0.3mm, Inside Diameter: 0.35mm, Length, : 1 m to 20 m
FP307010 Outside Diameter: **1.09mm**, Wall Thickness: 0.04mm, Inside Diameter: 1.01mm, Length, : 1 m to 10 m
FP307012 Outside Diameter: **1.2mm**, Wall Thickness: 0.3mm, Inside Diameter: 0.6mm, Length, : 1 m to 50 m
FP307018 Outside Diameter: **1.82mm**, Wall Thickness: 0.41mm, Inside Diameter: 1mm, Length, : 1 m to 20 m
FP307024 Outside Diameter: **2.4mm**, Wall Thickness: 0.8mm, Inside Diameter: 0.8mm, Length, : 1 m to 20 m
FP307022 Outside Diameter: **2.5mm**, Wall Thickness: 0.1mm, Inside Diameter: 2.3mm, Heat-shrinkable tubing: 0.65mm minimum I/D, Length: 200 mm to 1000 mm
FP307027 Outside Diameter: **2.69mm**, Wall Thickness: 0.05mm, Inside Diameter: 2.59mm, Length, : 1 m to 50 m
FP307032 Outside Diameter: **3.2mm**, Wall Thickness: 0.8mm, Inside Diameter: 1.6mm, Length: 500 mm to 1000 mm
FP307035 Outside Diameter: **3.52mm**, Wall Thickness: 0.41mm, Inside Diameter: 2.7mm, Length: 500 mm to 1000 mm
FP307030 Outside Diameter: **4.2mm**, Wall Thickness: 0.05mm, Inside Diameter: 4.1mm, Heat-shrinkable tubing: 0.93mm minimum I/D, Length: 200 mm to 1000 mm

FP307048 Outside Diameter: **4.8mm**, Wall Thickness: 0.8mm, Inside Diameter: 3.2mm, Length: 500 mm to 1000 mm

FP307050 Outside Diameter: **5.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 3mm, Length: 500 mm to 1000 mm

FP307065 Outside Diameter: **6.35mm**, Wall Thickness: 0.8mm, Inside Diameter: 4.75mm, Length, : 2 m to 20 m

FP307064 Outside Diameter: **6.42mm**, Wall Thickness: 0.51mm, Inside Diameter: 5.4mm, Length: 500 mm to 1000 mm

FP307066 Outside Diameter: **6.45mm**, Wall Thickness: 0.05mm, Inside Diameter: 6.35mm, Heat-shrinkable tubing: 1.6mm minimum I/D, Length: 200 mm to 1000 mm

FP307081 Outside Diameter: **8.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 6mm, Length: 500 mm to 1000 mm

FP307080 Outside Diameter: **8.0mm**, Wall Thickness: 0.8mm, Inside Diameter: 6.4mm, Length: 500 mm to 1000 mm

FP307077 Outside Diameter: **8.17mm**, Wall Thickness: 0.25mm, Inside Diameter: 7.67mm, Heat-shrinkable tubing: 4.4 mm minimum I/D, Length: 200 mm to 1200 mm

FP307068 Outside Diameter: **8.2mm**, Wall Thickness: 0.1mm, Inside Diameter: 8mm, Heat-shrinkable tubing: 1.6mm minimum I/D, Length: 200 mm to 1000 mm

FP307090 Outside Diameter: **9.25mm**, Wall Thickness: 0.375mm, Inside Diameter: 8.5mm, Length: 200 mm to 1000 mm

FP307140 Outside Diameter: **14mm**, Wall Thickness: 1mm, Inside Diameter: 12mm, Length, : 0.2 m to 5 m

FP307131 Outside Diameter: **14mm**, Wall Thickness: 0.07mm, Inside Diameter: 13.86mm, Heat-shrinkable tubing: 3.7mm minimum I/D, Length: 200 mm to 1000 mm

FP307159 Outside Diameter: **16.38mm**, Wall Thickness: 0.25mm, Inside Diameter: 15.88mm, Heat-shrinkable tubing: 4.5mm minimum I/D, Length: 200 mm to 1000 mm

FP307205 Outside Diameter: **19.2mm**, Wall Thickness: 0.1mm, Inside Diameter: 19mm, Heat-shrinkable tubing: 5.7mm minimum I/D, Length: 100 mm to 1000 mm



Powder

FP306010 Mean Particle size: **6-9micron**

FP306020 Mean Particle size: **20micron**

FP306068 Mean Particle size: **675micron**, Color: White



Sphere

FP306810 Diameter: **1.59mm**, Tolerance: ± 0.05 mm, Sphericity: 0.025mm, Grade: Precision Sphere

FP306820 Diameter: **3.18mm**, Tolerance: ± 0.05 mm, Sphericity: 0.025mm, Grade: Precision Sphere

Polytetrafluoroethylene coated Glass Fabric (PTFE 75 / Glass 25)



Fabric

FP313510 Weight.m⁻²: **145g**, Thickness: 0.08mm, Ends x Picks/10cm: 185x236, Weave: Plain, Coil width 1000 mm, Size: 300x300 mm to 500x1000 mm

Polymers

FP313520 Weight.m²: **300g**, Thickness: 0.15mm, Ends x Picks/10cm: 236x228, Weave: Plain, Coil width 1000 mm, Size: 300x300 mm to 500x1000 mm

Polytetrafluoroethylene filled with Glass (PTFE 25% GF)

Fluon, Hostaflon



Film

FP321300 Thickness: **0.30mm**, Size: 250x250 mm to 1000x1000 mm

FP321400 Thickness: **0.5mm**, Size: 250x250 mm to 1000x1000 mm



Sheet

FP323050 Thickness: **1.0mm**, Size: 100x100 mm to 300x300 mm

FP323075 Thickness: **1.5mm**, Size: 150x150 mm to 300x300 mm

FP323150 Thickness: **3.0mm**, Size: 150x150 mm to 1000x1000 mm

FP323200 Thickness: **5.0mm**, Size: 150x150 mm to 600x600 mm

FP323250 Thickness: **10.0mm**, Size: 150x150 mm to 300x300 mm



Rod

FP327930 Diameter: **5.0mm**, Length: 100 mm to 1000 mm

FP327950 Diameter: **10.0mm**, Length: 100 mm to 1000 mm

FP327960 Diameter: **15.0mm**, Length: 100 mm to 1000 mm

FP327970 Diameter: **25.0mm**, Length: 50 mm to 1000 mm

Polyurethane (PU)



Foam

UR303810 Thickness: **10mm**, Bulk density: 0.08g.cm⁻³, Size: 100x100 mm to 600x600 mm



Rod

UR307925 Diameter: **25mm**, Color: Blue, Length: 100 mm to 1000 mm

Polyvinylchloride - Unplasticized (UPVC)

Corvic, Evipol, Geon, Hostalit, Lacovyl, Lucorex



Film

CV311200 Thickness: **0.2mm**, Color: Clear, Condition: Copolymer, Coil width 660 mm, Size: 150x150 mm to 600x600 mm

CV311450 Thickness: **0.38mm**, Color: Clear, Condition: Copolymer, Coil width 660 mm, Size: 150x150 mm to 600x600 mm



Sheet

CV313005 Thickness: **0.5mm**, Color: White, Size: 150x150 mm to 300x300 mm

CV313010 Thickness: **1mm**, Color: Clear, Size: 150x150 mm to 300x300 mm

CV313025 Thickness: **3.0mm**, Color: Clear, Size: 150x150 mm to 300x300 mm

CV313045 Thickness: **4.5mm**, Color: Clear, Size: 150x150 mm to 300x300 mm

CV313250 Thickness: **10.0mm**, Color: Gray, Size: 150x150 mm to 300x300 mm



Rod

CV317906 Diameter: **6mm**, Color: Gray, Length: 500 mm to 1000 mm

CV317910 Diameter: **10mm**, Color: Gray, Length: 500 mm to 1000 mm

CV317925 Diameter: **25mm**, Color: Gray, Length: 250 mm to 1000 mm



Tube

CV317480 Outside Diameter: **48mm**, Wall Thickness: 3mm, Inside Diameter: 42mm, Color: Gray, Condition: Biaxially Oriented tube, Length: 100 mm to 1000 mm



Powder

CV316010 Max. Particle size: **250micron**

Polyvinylfluoride (PVF)

Tedlar



Film

FV331013 Thickness: **0.013mm**, Coil width: 300mm, Condition: Modified to reduce flammability, Color: White, Length: 0.5 m to 10 m

FV331025 Thickness: **0.025mm**, Coil width: 300mm, Length: 0.5 m to 10 m

FV331050 Thickness: **0.05mm**, Coil width 600 mm, Size: 150x150 mm to 300x300 mm

Polyvinylidenechloride (PVDC)

Saran



Film

CV301150 Thickness: **0.0125mm**, Coil width: 300mm, Length: 0.5 m to 50 m

CV301230 Thickness: **0.033mm**, Coil width 300 mm, Size: 150x150 mm to 300x300 mm

CV301245 Thickness: **0.043mm**, Coil width: 134mm, Condition: Double wound (2 x 0.0215mm), Length: 1 m



Powder

CV306010 Mean Particle size: **<180micron**

Polyvinylidene fluoride (PVDF)

Floraflon, Kynar, Solef



Film

FV301050 Thickness: **0.0045mm**, Condition: Biaxially Oriented, Coil width 660 mm, Size: 150x150 mm to 300x300 mm

FV301090 Thickness: **0.010mm**, Oriented: Uni-axially oriented, Condition: Piezo-electric film, Size: 25x25 mm to 100x100 mm

FV301251 Thickness: **0.028mm**, Oriented: Uni-axially oriented, Condition: Piezo-electric film, Coil width 400 mm, Size: 50x50 mm to 200x200 mm

FV301260 Thickness: **0.05mm**, Coil width 605 mm, Size: 150x150 mm to 300x300 mm

FV301300 Thickness: **0.1mm**, Coil width 230 mm, Size: 150x150 mm to 300x300 mm

FV301301 Thickness: **0.11mm**, Oriented: Uni-axially oriented, Condition: Piezo-electric film, Coil width 400 mm, Size: 50x50 mm to 200x200 mm

Polymers

FV301310 Thickness: **0.125mm**, Coil width 660 mm, Size: 150x150 mm to 300x300 mm

FV301350 Thickness: **0.25mm**, Coil width 596 mm, Size: 145x145 mm to 290x290 mm

FV301360 Thickness: **0.3mm**, Size: 100x100 mm to 150x150 mm

FV301400 Thickness: **0.5mm**, Size: 100x100 mm to 600x600 mm

FV301490 Thickness: **1.0mm**, Size: 150x150 mm to 500x500 mm



Metallized Film

FV301926 Thickness: **0.025mm**, Ohms/Square: 2, Condition: Biaxially Oriented, Condition: Piezo-electric film, Size: 50x50 mm to 200x200 mm

FV301920 Thickness: **0.03mm**, Ohms/Square: 2, Oriented: Uni-axially oriented, Condition: Piezo-electric film, Size: 149x215 mm to 215x298 mm

FV301940 Thickness: **0.04mm**, Ohms/Square: 2, Condition: Biaxially Oriented, Condition: Piezo-electric film, Size: 50x50 mm to 200x200 mm

FV301950 Thickness: **0.05mm**, Ohms/Square: 2, Oriented: Uni-axially oriented, Condition: Piezo-electric film, Size: 145x205 mm to 205x291 mm

FV301945 Thickness: **0.052mm**, Oriented: Uni-axially oriented, Condition: Piezo-electric film, Size: 50x50 mm to 400x400 mm

FV301960 Thickness: **0.11mm**, Ohms/Square: 2, Oriented: Uni-axially oriented, Condition: Piezo-electric film, Size: 132x190 mm to 190x265 mm



Sheet

FV303200 Thickness: **2.0mm**, Size: 150x150 mm to 500x500 mm



Rod

FV307910 Diameter: **3.0mm**, Length: 500 mm to 1000 mm

FV307925 Diameter: **10.0mm**, Length: 200 mm to 1000 mm

FV307940 Diameter: **20.0mm**, Length: 200 mm to 1000 mm



Tube

FV307201 Outside Diameter: **20mm**, Wall Thickness: 0.2mm, Inside Diameter: 19.6mm, Heat-shrinkable tubing: 9.5mm minimum I/D, Length: 300 mm to 1200 mm



Bolt

FV30BO30 Size: **M3 x 10 mm**, Head Style: Cross recessed pan head, Pitch: 0.5 mm, Quantity: 10 pcs

FV30BO40 Size: **M4 x 10 mm**, Head Style: Cross recessed pan head, Pitch: 0.7 mm, Quantity: 10 pcs

FV30BO50 Size: **M5 x 10 mm**, Head Style: Cross recessed pan head, Pitch: 0.8 mm, Quantity: 10 pcs



Nut

FV30NU03 Size: **M3**, Style: Hexagonal, Pitch: 0.5 mm, Quantity: 10 pcs

FV30NU04 Size: **M4**, Style: Hexagonal, Pitch: 0.7 mm, Quantity: 10 pcs

FV30NU05 Size: **M5**, Style: Hexagonal, Pitch: 0.8 mm, Quantity: 10 pcs



Washer

FV30WA03 Size: **M3**, Outside Diameter: 7 mm, Inside Diameter: 3.2 mm, Thickness: 0.5 mm, Quantity: 10 pcs

FV30WA04 Size: **M4**, Outside Diameter: 9 mm, Inside Diameter: 4.3 mm, Thickness: 0.8 mm, Quantity: 10 pcs

FV30WA05 Size: **M5**, Outside Diameter: 10 mm, Inside Diameter: 5.3 mm, Thickness: 1.0 mm, Quantity: 10 pcs



Granule

FV306300 Nominal Granule Size: **5mm**, Condition: Additive free polymer

Silicone Elastomer

Silastic, Silopren



Film

SI301025 Thickness: **0.025mm**, Size: 23x23 mm

SI301050 Thickness: **0.05mm**, Specification: USP Class VI, Size: 150x200 mm

SI301126 Thickness: **0.125mm**, Specification: USP Class VI, Size: 148x200 mm

SI301135 Thickness: **0.175mm**, Specification: USP Class VI, Size: 152x200 mm



Sheet

SI303025 Thickness: **0.25mm**, Specification: USP Class VI, Size: 100x150 mm to 152x203 mm

SI303045 Thickness: **0.45mm**, Size: 150x150 mm to 300x300 mm

SI303060 Thickness: **0.6mm**, Size: 150x150 mm to 600x600 mm

SI303100 Thickness: **1.0mm**, Coil width 1200 mm, Size: 100x100 mm to 1000x1000 mm

SI303201 Thickness: **2.0mm**, Specification: USP Class VI, Size: 75x100 mm to 150x200 mm

SI303200 Thickness: **2.0mm**, Tolerance: +/-0.4, Color: White, Size: 100x100 mm to 600x600 mm

SI303300 Thickness: **3.0mm**, Size: 100x100 mm to 1000x1000 mm

SI303400 Thickness: **8.0mm**, Tolerance: +/-0.4, Color: White, Size: 100x100 mm to 600x600 mm



Rod

SI307910 Diameter: **1.0mm**, Color: White, Condition: Flexible cord, Length: 1 m to 20 m

SI307920 Diameter: **2.0mm**, Color: White, Condition: Flexible cord, Length: 1 m to 20 m

SI307930 Diameter: **3.0mm**, Color: White, Condition: Flexible cord, Length: 1 m to 20 m

SI307931 Diameter: **3.0mm**, Condition: Flexible cord, Condition: Translucent, Length: 1 m to 20 m

SI307937 Diameter: **3.7mm**, Color: White, Condition: Flexible cord, Length: 1 m to 20 m

SI307938 Diameter: **3.7mm**, Condition: Flexible cord, Condition: Translucent, Length: 1 m to 20 m

SI307950 Diameter: **5.0mm**, Color: White, Condition: Flexible cord, Length: 1 m to 20 m

Polymers



Tube

- SI307150** Outside Diameter: **1.5mm**, Wall Thickness: 0.5mm, Inside Diameter: 0.5mm, Length, : 1 m
- SI307160** Outside Diameter: **2.2mm**, Wall Thickness: 0.85mm, Inside Diameter: 0.5mm, Length, : 0.5 m
- SI307300** Outside Diameter: **3.0mm**, Wall Thickness: 0.5mm, Inside Diameter: 2mm, Length, : 0.5 m
- SI307370** Outside Diameter: **3.7mm**, Wall Thickness: 1.0mm, Inside Diameter: 1.7mm, Length, : 0.5 m
- SI307371** Outside Diameter: **3.7mm**, Wall Thickness: 1.0mm, Inside Diameter: 1.7mm, Condition: Translucent, Length, : 0.5 m
- SI307450** Outside Diameter: **4.7mm**, Wall Thickness: 0.75mm, Inside Diameter: 3.2mm, Length, : 0.5 m
- SI307061** Outside Diameter: **5.5mm**, Wall Thickness: 1.6mm, Inside Diameter: 2.3mm, Length, : 0.5 m
- SI307060** Outside Diameter: **6.4mm**, Wall Thickness: 2.0mm, Inside Diameter: 2.4mm, Length, : 1 m
- SI307062** Outside Diameter: **6.4mm**, Wall Thickness: 1.6mm, Inside Diameter: 3.2mm, Length, : 0.5 m

Tetrafluoroethylene-perfluoro(alkoxy vinyl ether) - Copolymer (PFA)



Film

- FV321025** Thickness: **0.025mm**, Coil width 370 mm, Size: 150x150 mm to 300x300 mm
- FV321050** Thickness: **0.052mm**, Coil width 390 mm, Size: 150x150 mm to 300x300 mm
- FV321075** Thickness: **0.075mm**, Color: Natural, Coil width 400 mm, Size: 100x100 mm to 400x400 mm
- FV321100** Thickness: **0.1mm**, Coil width 400 mm, Size: 100x100 mm to 200x200 mm
- FV321125** Thickness: **0.125mm**, Color: Natural, Coil width 610 mm, Size: 100x100 mm to 400x400 mm
- FV321200** Thickness: **0.5mm**, Coil width 420 mm, Size: 100x100 mm to 200x200 mm



Sheet

- FV323100** Thickness: **1mm**, Size: 150x150 mm to 300x300 mm
- FV323300** Thickness: **3mm**, Size: 150x150 mm



Rod

- FV327905** Diameter: **3mm**, Length: 300 mm to 900 mm
- FV327910** Diameter: **9.5mm**, Length: 300 mm to 1800 mm
- FV327930** Diameter: **25mm**, Length: 100 mm to 600 mm

Vectra[®] A - 15% Glass Fiber Reinforced (Liquid Crystal Polyester - 15% GFR)



Rod

- ES387920** Diameter: **10mm**, Color: Black, Length: 100 mm to 1000 mm

Vectra[®] A - 25% PTFE Fiber Filled (Vectra A[®] - 25% PTFE)



Rod

- ET377940** Diameter: **20mm**, Color: Black, Length: 100 mm to 1000 mm

Vectra[®] A - 30% Glass Fiber Reinforced (Vectra[®] A - 30% GFR)



Rod

- ET367925** Diameter: **12mm**, Color: Black, Length: 100 mm to 1000 mm

Vectra[®] A - Liquid Crystal Polyester (Vectra[®] A)

Vectra[®] A, Xydar



Fiber

- ES315717** Tex Number: **167**, Filament diameter: 0.023mm, Number of filaments: 300



Rod

- ES317920** Diameter: **18mm**, Length: 100 mm to 1000 mm
- ES317930** Diameter: **30mm**, Length: 100 mm to 1000 mm

Vectra[®] B - 30% Glass Fiber Reinforced (Liquid Crystal Polyester - 30% GFR)



Sheet

- ES393100** Thickness: **10mm**, Color: Black, Condition: center-gated, Condition: Machining feedstock, Size: 152x152 mm



Rod

- ES397920** Diameter: **10.7mm**, Length: 100 mm to 1000 mm
- ES397930** Diameter: **13.7mm**, Length: 100 mm to 1000 mm

Vectra[®] B - Liquid Crystal Polyester/ amide copolymer (Vectra[®] B)



Rod

- ES327903** Diameter: **3mm**, Length: 100 mm to 1000 mm
- ES327905** Diameter: **5mm**, Length: 100 mm to 1000 mm
- ES327910** Diameter: **10.5mm**, Length: 100 mm to 1000 mm
- ES327920** Diameter: **18mm**, Length: 100 mm to 1000 mm
- ES327930** Diameter: **30mm**, Length: 100 mm to 1000 mm

Vectra[®] MT1300 - Liquid Crystalline Polyester (Vectra[®] MT1300)



Rod

- ET397910** Diameter: **10mm**, Color: Black, Condition: Unfilled, Length: 100 mm to 1000 mm
- ET397910** Diameter: **10mm**, Color: Black, Condition: Unfilled, Length: 100 mm to 1000 mm

Composites

Aluminum/Copper Metal Matrix Composite (Al77.9/SiC17.8/Cu 3.3/Mg 1.2/Mn 0.4)



Sheet

AL423200 Thickness: **2.0 mm**, Condition: Metal Matrix Composite, Reinforced with: Silicon Carbide particles, Size: 50x50 mm to 100x100 mm



Rod

AL427915 Diameter: **15 mm**, Condition: Metal Matrix Composite, Reinforced with: Silicon Carbide particles, Length: 50 mm to 500 mm



Tube

AL427250 Outside Diameter: **25.4mm**, Wall Thickness: 1.0mm, Inside Diameter: 23.4mm, Condition: Metal Matrix Composite, Reinforced with: Silicon Carbide particles, Length: 100 mm to 1000 mm

Aluminum/Lithium Metal Matrix Composite (Al81/SiC15/Li 2/Cu 1.2/Mg 0.8)



Tube

AL417250 Outside Diameter: **24.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 22mm, Condition: Metal Matrix Composite, Reinforced with: Silicon Carbide particles, Length: 100 mm to 1000 mm

Carbon-Carbon Composite (Carbon fiber - Carbon matrix)



Sheet

- C 413010** Thickness: **1.25mm**, Size: 50x50 mm to 150x150 mm
- C 413020** Thickness: **1.6mm**, Size: 50x50 mm to 150x150 mm
- C 413022** Thickness: **2mm**, Size: 50x50 mm to 300x300 mm
- C 413040** Thickness: **4mm**, Size: 50x50 mm to 305x305 mm
- C 413050** Thickness: **5mm**, Size: 50x50 mm to 150x150 mm
- C 413100** Thickness: **10.0mm**, Size: 50x50 mm to 300x300 mm

Carbon/Epoxy Composite (Carbon fiber - Epoxy Resin Matrix)



Sheet

- C 423025** Thickness: **0.25mm**, Tolerance: $\pm 20\%$, Size: 100x100 mm to 500x500 mm
- C 423050** Thickness: **0.5mm**, Tolerance: $\pm 20\%$, Size: 100x100 mm to 1000x1250 mm
- C 423065** Thickness: **0.65mm**, Size: 100x100 mm to 300x300 mm
- C 423085** Thickness: **0.85mm**, Tolerance: $\pm 20\%$, Size: 50x50 mm to 300x300 mm
- C 423100** Thickness: **1.0mm**, Tolerance: $\pm 20\%$, Size: 50x50 mm to 300x300 mm

C 423130 Thickness: **1.3mm**, Tolerance: $\pm 20\%$, Size: 100x100 mm to 300x300 mm

C 423200 Thickness: **2.0mm**, Tolerance: $\pm 20\%$, Size: 100x100 mm to 300x300 mm

C 423250 Thickness: **3.5mm**, Tolerance: $\pm 20\%$, Size: 100x100 mm to 300x300 mm

C 423400 Thickness: **4mm**, Size: 100x100 mm to 500x500 mm



Rod

C 427905 Diameter: **2mm**, Length: 500 mm to 1000 mm

C 427910 Diameter: **3mm**, Length: 500 mm to 1000 mm

C 427925 Diameter: **25mm**, Color: Black, Length: 500 mm to 1000 mm



Tube

C 427477 Outside Diameter: **47.6mm**, Wall Thickness: 1.9mm, Inside Diameter: 43.8mm, Condition: Ultra-straight tube, Straightness: ± 0.25 mm over 1500mm, Length: 100 mm to 1500 mm

Carbon/Polyaramid (Carbon fiber - Polyaramid fiber)



Fabric

C 403525 Weight.m⁻²: **174g**, Thickness: 0.26mm, Warp Yarn: 198T(C) 127Tex, Weft Yarn: 198T(C) 127Tex, Ends x Picks/10cm: 47, Weave: Plain, Size: 125x180 mm to 170x180 mm

C 403528 Weight.m⁻²: **188g**, Thickness: 0.3mm, Warp Yarn: 200(C) - 158(K)Tex, Weft Yarn: 200(C) - 158(K)Tex, Ends x Picks/10cm: 50x50, Weave: Plain, Size: 150x150 mm to 1000x1000 mm

C 403520 Weight.m⁻²: **210g**, Thickness: 0.25mm, Warp Yarn: 198T(C) 127Tex, Weft Yarn: 198T(C) 127Tex, Ends x Picks/10cm: 63x63, Weave: 3/1 Twill, Size: 100x100 mm to 300x300 mm

C 403521 Weight.m⁻²: **210g**, Thickness: 0.3mm, Warp Yarn: 200(C) - 158(K)Tex, Weft Yarn: 200(C) - 158(K)Tex, Ends x Picks/10cm: 67x67, Weave: 3/1 Twill, Size: 150x150 mm to 1000x1000 mm

Carbon/Polyetheretherketone Composite (Carbon fiber - PEEK Matrix)



Sheet

EK403010 Thickness: **1.0mm**, Grade: APC 2, Condition: 8-ply Quasi-isotropic, Size: 50x50 mm to 150x150 mm

Carbon/Vinylester (Carbon fiber - Vinylester Matrix)



Rod

VE407910 Diameter: **1.0mm**, Condition: Pultruded, Length: 1000 mm

VE407930 Diameter: **5.0mm**, Condition: Pultruded, Length: 500 mm to 1000 mm

VE407940 Diameter: **6.0mm**, Condition: Pultruded, Length: 300 mm to 1000 mm

Composites

VE407950 Diameter: **10.0mm**, Condition: Pultruded, Length: 200 mm to 1000 mm



Tube

VE407211 Outside Diameter: **6.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 4mm, Condition: Pultruded, Length: 500 mm to 1000 mm

VE407320 Outside Diameter: **8.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 5mm, Condition: Pultruded, Length: 200 mm to 984 mm

VE407321 Outside Diameter: **8.0mm**, Wall Thickness: 1.0mm, Inside Diameter: 6mm, Condition: Pultruded, Length: 200 mm to 1000 mm

VE407430 Outside Diameter: **10.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 7mm, Condition: Pultruded, Length: 200 mm to 1000 mm

VE407435 Outside Diameter: **12.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 9mm, Condition: Pultruded, Length: 200 mm to 1000 mm

VE407541 Outside Diameter: **16.0mm**, Wall Thickness: 1.75mm, Inside Diameter: 12.5mm, Condition: Pultruded, Length: 500 mm to 1000 mm

VE407650 Outside Diameter: **25.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 22mm, Condition: Pultruded, Length: 100 mm to 1000 mm

E-glass/Epoxy (Boro-silicate glass/Epoxy)



Sheet

SI403210 Thickness: **0.3mm**, Size: 150x150 mm to 300x300 mm

SI403220 Thickness: **0.5mm**, Size: 150x150 mm to 300x300 mm

SI403240 Thickness: **1.0mm**, Size: 150x150 mm to 600x600 mm

SI403260 Thickness: **1.6mm**, Size: 100x100 mm to 600x600 mm

SI403280 Thickness: **3.0mm**, Size: 150x150 mm to 300x300 mm

SI403300 Thickness: **5.5mm**, Size: 150x150 mm to 300x300 mm



Rod

SI407930 Diameter: **30 mm**, Condition: Machining feedstock, Length: 100 mm to 500 mm

Fabric Reinforced Phenolic (Phenol)



Sheet

PL403020 Thickness: **1.6mm**, Size: 145x145 mm to 295x295 mm

Polyaramid/Polyphenylenesulfide Composite (Polyaramid fiber - PPS Matrix)



Sheet

SU403100 Thickness: **6.35mm**, Reinforcement: Randomly oriented chopped fiber, Size: 100x100 mm to 300x300 mm



Rod

SU407920 Diameter: **6.35mm**, Reinforcement: Randomly oriented chopped fiber, Length: 100 mm to 1000 mm

SU407924 Diameter: **8.0mm**, Reinforcement: Randomly oriented chopped fiber, Length: 100 mm to 1000 mm

SU407950 Diameter: **25.0mm**, Reinforcement: Randomly oriented chopped fiber, Length: 100 mm to 1000 mm

Polyaramid/Vinylester Composite (Polyaramid fiber - Vinylester matrix)



Rod

VE417920 Diameter: **2.0mm**, Condition: Pultruded, Length: 500 mm to 1000 mm

VE417940 Diameter: **5.0mm**, Condition: Pultruded, Length: 500 mm to 1000 mm

VE417960 Diameter: **6.0mm**, Condition: Pultruded, Length: 200 mm to 1000 mm

VE417980 Diameter: **10.0mm**, Condition: Pultruded, Length: 200 mm to 1000 mm



Tube

VE417210 Outside Diameter: **6.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 3mm, Condition: Pultruded, Length: 500 mm to 1000 mm

VE417320 Outside Diameter: **8.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 5mm, Condition: Pultruded, Length: 200 mm to 1000 mm

VE417430 Outside Diameter: **10.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 7mm, Condition: Pultruded, Length: 200 mm to 1000 mm

VE417540 Outside Diameter: **15.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 12mm, Condition: Pultruded, Length: 100 mm to 1000 mm

VE417650 Outside Diameter: **25.0mm**, Wall Thickness: 1.5mm, Inside Diameter: 22mm, Condition: Pultruded, Length: 100 mm to 1000 mm

Polyethylene/Polyethylene Composite (PE fibre - PE matrix)



Sheet

ET403020 Thickness: **2mm**, Size: 85x85 mm to 85x175 mm

ET403060 Thickness: **6mm**, Size: 60x60 mm to 125x125 mm

Polypropylene-Polypropylene composite (PP fiber - PP matrix)

Curv



Sheet

PP403030 Thickness: **0.3mm**, Size: 150x150 mm to 600x600 mm

PP403090 Thickness: **0.9mm**, Size: 150x150 mm to 600x600 mm

PP403200 Thickness: **2.0mm**, Size: 150x150 mm to 600x600 mm

PP403300 Thickness: **3.0mm**, Size: 150x150 mm to 600x600 mm

Glasses

Borosilicate Glass

(SiO₂ 81% / B₂O₃ 13% / Na₂O 4%)



Sheet

SI813011 Thickness: **1.1mm**, Size: 30x30 mm



Rod

SI817901 Diameter: **0.1mm**, Rod Ends: As-cut, Length: 100 mm

SI817902 Diameter: **0.2mm**, Rod Ends: As-cut, Length: 100 mm

SI817903 Diameter: **0.3mm**, Rod Ends: As-cut, Length: 100 mm

SI817904 Diameter: **0.4mm**, Rod Ends: As-cut, Length: 100 mm

SI817905 Diameter: **0.5mm**, Rod Ends: As-cut, Length: 100 mm

SI817906 Diameter: **0.6mm**, Rod Ends: As-cut, Length: 100 mm

SI817907 Diameter: **0.7mm**, Rod Ends: As-cut, Length: 100 mm

SI817908 Diameter: **0.8mm**, Rod Ends: As-cut, Length: 100 mm

SI817909 Diameter: **0.9mm**, Rod Ends: As-cut, Length: 100 mm

SI817910 Diameter: **1.0mm**, Rod Ends: As-cut, Length: 100 mm



Tube

SI817005 Outside Diameter: **0.33mm**, Tolerance: ± 0.033 mm, Wall Thickness: 0.065mm, Inside Diameter: 0.2mm, Tube Ends: As-cut, Condition: Capillary Tube, Length: 305 mm

SI817011 Outside Diameter: **1.00mm**, Tolerance: ± 0.05 mm, Wall Thickness: 0.139mm, Inside Diameter: 0.722mm, Tube Ends: As-cut, Condition: Capillary Tube, Length: 100 mm to 150 mm

SI817010 Outside Diameter: **1.00mm**, Tolerance: ± 0.05 mm, Wall Thickness: 0.210mm, Inside Diameter: 0.580mm, Tube Ends: As-cut, Condition: Capillary Tube, Length: 100 mm to 150 mm

SI817020 Outside Diameter: **1.20mm**, Tolerance: ± 0.05 mm, Wall Thickness: 0.252mm, Inside Diameter: 0.696mm, Tube Ends: As-cut, Condition: Capillary Tube, Length: 100 mm to 150 mm

SI817031 Outside Diameter: **1.50mm**, Tolerance: ± 0.05 mm, Wall Thickness: 0.225mm, Inside Diameter: 1.050mm, Tube Ends: As-cut, Condition: Capillary Tube, Length: 100 mm to 150 mm

SI817030 Outside Diameter: **1.50mm**, Tolerance: ± 0.05 mm, Wall Thickness: 0.315mm, Inside Diameter: 0.870mm, Tube Ends: As-cut, Condition: Capillary Tube, Length: 100 mm to 150 mm

SI817053 Outside Diameter: **2.00mm**, Tolerance: ± 0.10 mm, Wall Thickness: 0.20mm, Inside Diameter: 1.600mm, Tube Ends: As-cut, Condition: Capillary Tube, Length: 100 mm to 150 mm

SI817052 Outside Diameter: **2.00mm**, Tolerance: ± 0.10 mm, Wall Thickness: 0.30mm, Inside Diameter: 1.400mm, Tube Ends: As-cut, Condition: Capillary Tube, Length: 100 mm to 150 mm

SI817051 Outside Diameter: **2.00mm**, Tolerance: ± 0.10 mm, Wall Thickness: 0.42mm, Inside Diameter: 1.160mm, Tube Ends: As-cut, Condition: Capillary Tube, Length: 100 mm to 150 mm

SI817050 Outside Diameter: **2.00mm**, Tolerance: ± 0.10 mm, Wall Thickness: 0.50mm, Inside Diameter: 1.000mm, Tube Ends: As-cut, Condition: Capillary Tube, Length: 100 mm to 150 mm

SI817060 Outside Diameter: **3.00mm**, Tolerance: ± 0.15 mm, Wall Thickness: 0.30mm, Inside Diameter: 2.400mm, Tube Ends: As-cut, Condition: Capillary Tube, Length: 100 mm to 150 mm

SI817068 Outside Diameter: **4.0mm**, Wall Thickness: 1.6mm, Inside Diameter: 0.8mm, Tube Ends: As-cut, Length: 500 mm

SI817070 Outside Diameter: **4.2mm**, Wall Thickness: 1.7mm, Inside Diameter: 0.8mm, Tube Ends: As-cut, Length: 55 mm



Sphere

SI816801 Diameter: **1.5 m m**, Condition: Porous borosilicate glass

SI816804 Diameter: **4.0 m m**, Condition: Porous borosilicate glass

SI816808 Diameter: **8.0 m m**, Condition: Porous borosilicate glass

SI816910 Diameter: **10.00mm**, Tolerance: ± 0.30 mm, Surface finish: Matt, Warning: May contain internal bubbles and/or surface marks

SI816911 Diameter: **10mm**, Tolerance: $\pm 2.5\mu\text{m}$, Sphericity: 0.625 μm , Condition: Polished, Grade: Precision Sphere, Condition: Grade 25

Carbon - Vitreous - 1000C (C)



Foil

VC800206 Thickness: **0.06mm**, Tolerance: $\pm 0/-0.01$ mm, Condition: Glassy Carbon, Maximum temperature: 1000C in vacuum or inert gas (400C in air), Size: 25x25 mm to 100x100 mm

VC800210 Thickness: **0.10mm**, Tolerance: $\pm 0/-0.01$ mm, Condition: Glassy Carbon, Maximum temperature: 1000C in vacuum or inert gas (400C in air), Size: 25x25 mm to 100x100 mm

VC800214 Thickness: **0.14mm**, Tolerance: $\pm 0/-0.01$ mm, Condition: Glassy Carbon, Maximum temperature: 1000C in vacuum or inert gas (400C in air), Size: 25x25 mm to 100x100 mm

VC800218 Thickness: **0.18mm**, Tolerance: $\pm 0/-0.02$ mm, Condition: Glassy Carbon, Maximum temperature: 1000C in vacuum or inert gas (400C in air), Size: 25x25 mm to 100x100 mm

VC800221 Thickness: **0.2mm**, Tolerance: ± 0.04 mm, Condition: Glassy Carbon, Maximum temperature: 1000C in vacuum or inert gas (400C in air), Diameter: 10 mm

VC800222 Thickness: **0.2mm**, Tolerance: ± 0.04 mm, Condition: Glassy Carbon, Maximum temperature: 1000C in vacuum or inert gas (400C in air), Diameter: 25 mm

Glasses

Cobalt/Boron/Silicon/Iron/ Molybdenum/Nickel (Co69/B 12/Si12/Fe 4/Mo 2/Ni 1)



Foil

CO820250 Thickness: **0.025mm**, Coil width: 50mm,
Condition: Metallic Glass, Length: 0.5 m to 20 m

Cobalt/Silicon/Boron/Iron/Nickel (Co66/Si15/B 14/Fe 4/Ni 1)



Foil

CO810220 Thickness: **0.018mm**, Coil width: 50.8mm,
Condition: Metallic Glass, Length: 0.5 m to 10 m

CO810250 Thickness: **0.025mm**, Coil width: 25mm,
Condition: Metallic Glass, Length: 0.5 m to 10 m

Cobalt/Silicon/Boron/Manganese (Co70/Si + B 23/Mn 5/Fe + Mo 2)



Foil

CO830250 Thickness: **0.025mm**, Coil width: 25mm,
Condition: Metallic Glass, Length: 0.5 m to 100 m

CO830400 Thickness: **0.04mm**, Coil width: 25mm,
Condition: Metallic Glass, Length: 0.5 m to 50 m

Cobalt/Silicon/Molybdenum/Iron/ Boron/Niobium (Co78/Si 9/Mo 5/Fe 4/B 2/Nb 2)



Foil

CO840230 Thickness: **0.023mm**, Coil width: 20mm,
Condition: Metallic Glass, Length: 1 m to 20 m

CO840300 Thickness: **0.03mm**, Coil width: 20mm,
Condition: Metallic Glass, Length: 0.5 m to 10 m

Emerald (Be₃Al₂(SiO₃)₆)



Powder

SI846010 Max. Particle size: **100micron**, Condition:
Gemstone powder

Fused Silica (SiO₂n)



Crucible

SI828900 Shape: **Rectangular**, Length: 77mm, Width:
77mm, Height: 25mm, Wall Thickness: 3mm,
Quantity, : 1 pcs

SI828905 Shape: **Rectangular**, Length: 119mm, Width:
119mm, Height: 119mm, Wall Thickness: 5mm,
Quantity, : 1 pcs

SI828910 Shape: **Rectangular**, Length: 203mm, Width:
150mm, Height: 50mm, Wall Thickness: 7mm,
Quantity, : 1 pcs

SI828920 Shape: **Rectangular**, Length: 248mm, Width:
152mm, Height: 45mm, Wall Thickness: 6mm,
Quantity, : 1 pcs

SI828925 Shape: **Rectangular**, Length: 248mm, Width:
152mm, Height: 57mm, Wall Thickness: 6mm,
Quantity, : 1 pcs

SI828965 Shape: **Rectangular**, Length: 305mm, Width:
152mm, Height: 100mm, Wall Thickness: 5mm,
Quantity, : 1 pcs

SI828930 Shape: **Rectangular**, Length: 330mm, Width:
152mm, Height: 25mm, Wall Thickness: 6mm,
Quantity, : 1 pcs

SI828915 Shape: **Rectangular**, Length: 190mm, Width:
190mm, Height: 85mm, Wall Thickness: 5mm,
Quantity, : 1 pcs

SI828970 Shape: **Rectangular**, Length: 340mm, Width:
210mm, Height: 100mm, Wall Thickness: 10mm,
Quantity, : 1 pcs

SI828975 Shape: **Rectangular**, Length: 340mm, Width:
210mm, Height: 100mm, Wall Thickness: 7mm,
Quantity, : 1 pcs

SI828980 Shape: **Rectangular**, Length: 340mm, Width:
210mm, Height: 80mm, Wall Thickness: 7mm,
Quantity, : 1 pcs

SI828985 Shape: **Rectangular**, Length: 419mm, Width:
216mm, Height: 90mm, Wall Thickness: 10mm,
Quantity, : 1 pcs

SI828935 Shape: **Rectangular**, Length: 230mm, Width:
230mm, Height: 80mm, Wall Thickness: 5mm,
Quantity, : 1 pcs

SI828940 Shape: **Rectangular**, Length: 230mm, Width:
230mm, Height: 80mm, Wall Thickness: 7mm,
Quantity, : 1 pcs

SI828945 Shape: **Rectangular**, Length: 230mm, Width:
230mm, Height: 80mm, Wall Thickness: 10mm,
Quantity, : 1 pcs

SI828950 Shape: **Rectangular**, Length: 280mm, Width:
280mm, Height: 115mm, Wall Thickness: 5mm,
Quantity, : 1 pcs

SI828955 Shape: **Rectangular**, Length: 280mm, Width:
280mm, Height: 115mm, Wall Thickness: 7mm,
Quantity, : 1 pcs

SI828960 Shape: **Rectangular**, Length: 280mm, Width:
280mm, Height: 115mm, Wall Thickness: 10mm,
Quantity, : 1 pcs

SI828990 Shape: **Rectangular**, Length: 445mm, Width:
300mm, Height: 90mm, Wall Thickness: 7.5mm,
Quantity, : 1 pcs

SI828995 Shape: **Rectangular**, Length: 445mm, Width:
300mm, Height: 80mm, Wall Thickness: 7mm,
Quantity, : 1 pcs

Iron/Boron/Silicon (Fe81/B 13.5/Si 3.5/C 2)



Foil

FE800250 Thickness: **0.025mm**, Coil width: 50mm,
Condition: Metallic Glass, Length: 0.5 m to 10 m

Iron/Boron/Silicon (Fe78/B 13/Si 9)



Foil

FE810250 Thickness: **0.025mm**, Coil width: 50mm,
Condition: Metallic Glass, Length: 0.5 m to 10 m

Iron/Boron/Silicon (Fe79/B 16/Si 5)



Foil

FE820250 Thickness: **0.025mm**, Coil width: 50mm,
Condition: Metallic Glass, Length: 0.5 m to 10 m

Iron/Boron/Silicon (Fe77.5/B 15/Si 7.5)



Wire

FE845020 Diameter: **0.02mm**, Condition: Metallic Glass

Glasses

FE845050 Diameter: **0.05mm**, Condition: Metallic Glass

FE845100 Diameter: **0.125mm**, Condition: Metallic Glass

Iron/Nickel/Boron (Fe40/Ni38/B 18/Mo 4)



Foil

FE830250 Thickness: **0.025mm**, Coil width: 50mm,
Condition: Metallic Glass, Length: 0.5 m to 10 m

MACOR[®] Machinable Glass Ceramic (SiO₂ 46/Al₂O₃ 16/MgO 17/K₂O 10/ B₂O₃ 7)



Sheet

MA803005 Thickness: **0.5mm**, Size: 100x100 mm

MA803010 Thickness: **1mm**, Size: 10x10 mm to 50x50 mm

MA803011 Thickness: **1mm**, Size: 100x100 mm

MA803020 Thickness: **2mm**, Size: 25x25 mm to 50x50 mm

MA803021 Thickness: **2mm**, Size: 100x100 mm

MA803030 Thickness: **3mm**, Size: 25x25 mm to 25x50 mm

MA803031 Thickness: **3mm**, Size: 100x100 mm

MA803060 Thickness: **6mm**, Size: 25x25 mm to 50x50 mm

MA803061 Thickness: **6mm**, Size: 100x100 mm

MA803110 Thickness: **10mm**, Size: 100x100 mm

MA803130 Thickness: **13mm**, Size: 25x25 mm to
150x150 mm

MA803164 Thickness: **64mm**, Size: 355x355 mm



Rod

MA807902 Diameter: **1.6mm**, Length: 100 mm to 300 mm

MA807903 Diameter: **2.0mm**, Length: 100 mm to 300 mm

MA807904 Diameter: **3.2mm**, Length: 100 mm to 300 mm

MA807905 Diameter: **4.0mm**, Length: 100 mm

MA807906 Diameter: **4.8mm**, Length: 100 mm to 300 mm

MA807907 Diameter: **6.0mm**, Length: 100 mm to 300 mm

MA807908 Diameter: **8.0mm**, Length: 100 mm to 300 mm

MA807910 Diameter: **10.0mm**, Length: 100 mm to 300 mm

MA807912 Diameter: **12.0mm**, Length: 300 mm

MA807913 Diameter: **12.7mm**, Length: 100 mm to 300 mm

MA807915 Diameter: **15mm**, Length: 100 mm to 300 mm

MA807920 Diameter: **20mm**, Length: 100 mm to 300 mm

MA807925 Diameter: **25.4mm**, Length: 100 mm to 300 mm

MA807930 Diameter: **30mm**, Length: 100 mm

MA807940 Diameter: **40mm**, Length: 100 mm to 300 mm

MA807945 Diameter: **45mm**, Length: 300 mm

MA807950 Diameter: **50.8mm**, Length: 300 mm

MA807960 Diameter: **60mm**, Length: 50 mm

MA807976 Diameter: **76mm**, Length: 152 mm to 305 mm



Bar

MA808110 Side Length: **10mm**, Side Length (of longer
side): 10mm, Length: 50 mm to 100 mm

MA808115 Side Length: **15mm**, Side Length (of longer
side): 15mm, Length: 100 mm

MA808120 Side Length: **20mm**, Side Length (of longer
side): 20mm, Length: 100 mm

MA808125 Side Length: **25.4mm**, Side Length (of longer
side): 25.4mm, Length: 25 mm to 100 mm

MA808250 Side Length: **50.8mm**, Side Length (of longer
side): 50.8mm, Length: 25 mm to 50 mm

Magnetic Copper (Cu99.96/Fe 0.04)



Wire

CU805100 Diameter: **0.5mm**, Filament diameter:
0.1 microns, Number of filaments: 16

Moonstone (Multicolor) (NaK/AlSi₃O₈)



Powder

SI856010 Max. Particle size: **100micron**, Condition:
Gemstone powder

Nickel/Boron/Silicon (Ni78/B 14/Si 8)



Foil

NI800250 Thickness: **0.025mm**, Coil width: 25mm,
Condition: Metallic Glass, Length: 0.5 m to 10 m

NI800400 Thickness: **0.04mm**, Coil width: 25mm,
Condition: Metallic Glass, Length: 0.5 m to 10 m

Nickel/Iron/Silicon/Boron (Ni40/Fe40/Si + B 19/Mo 1-2)



Foil

NI810250 Thickness: **0.025mm**, Coil width: 25mm,
Condition: Metallic Glass, Length: 0.5 m to 10 m

NI810400 Thickness: **0.04mm**, Coil width: 25mm,
Condition: Metallic Glass, Length: 0.5 m to 50 m

Opal (SiO₂/H₂O)



Powder

SI866010 Max. Particle size: **100micron**, Condition:
Gemstone powder

Soda Lime Glass

(SiO₂ 70/Na₂O 15/CaO 10/MgO/B₂O₃/
Al₂O₃)



Tube

SI807010 Outside Diameter: **0.50mm**, Wall Thickness:
0.05mm, Inside Diameter: 0.40mm, Tube Ends:
As-cut, Condition: Capillary Tube, Length:
100 mm

SI807015 Outside Diameter: **0.55mm**, Wall Thickness:
0.055mm, Inside Diameter: 0.44mm, Tube Ends:
As-cut, Condition: Capillary Tube, Length:
100 mm

SI807020 Outside Diameter: **0.60mm**, Wall Thickness:
0.06mm, Inside Diameter: 0.48mm, Tube Ends:
As-cut, Condition: Capillary Tube, Length:
100 mm to 150 mm

SI807025 Outside Diameter: **0.70mm**, Wall Thickness:
0.07mm, Inside Diameter: 0.56mm, Tube Ends:
As-cut, Condition: Capillary Tube, Length:
100 mm

SI807030 Outside Diameter: **0.80mm**, Wall Thickness:
0.08mm, Inside Diameter: 0.64mm, Tube Ends:
As-cut, Condition: Capillary Tube, Length:
100 mm

Glasses

- SI807032** Outside Diameter: **0.90mm**, Wall Thickness: 0.09mm, Inside Diameter: 0.72mm, Tube Ends: As-cut, Condition: Capillary Tube, Length: 100 mm
- SI807035** Outside Diameter: **1.00mm**, Wall Thickness: 0.10mm, Inside Diameter: 0.80mm, Tube Ends: As-cut, Condition: Capillary Tube, Length: 100 mm to 200 mm
- SI807040** Outside Diameter: **1.20mm**, Wall Thickness: 0.12mm, Inside Diameter: 0.96mm, Tube Ends: As-cut, Condition: Capillary Tube, Length: 100 mm to 150 mm
- SI807045** Outside Diameter: **1.25mm**, Wall Thickness: 0.125mm, Inside Diameter: 1.00mm, Tube Ends: As-cut, Condition: Capillary Tube, Length: 100 mm
- SI807050** Outside Diameter: **1.30mm**, Wall Thickness: 0.13mm, Inside Diameter: 1.04mm, Tube Ends: As-cut, Condition: Capillary Tube, Length: 100 mm
- SI807052** Outside Diameter: **1.35mm**, Wall Thickness: 0.135mm, Inside Diameter: 1.08mm, Tube Ends: As-cut, Condition: Capillary Tube, Length: 100 mm
- SI807055** Outside Diameter: **1.40mm**, Wall Thickness: 0.14mm, Inside Diameter: 1.12mm, Tube Ends: As-cut, Condition: Capillary Tube, Length: 100 mm to 150 mm
- SI807060** Outside Diameter: **1.50mm**, Wall Thickness: 0.15mm, Inside Diameter: 1.20mm, Tube Ends: As-cut, Condition: Capillary Tube, Length: 100 mm
- SI807065** Outside Diameter: **1.80mm**, Wall Thickness: 0.18mm, Inside Diameter: 1.44mm, Tube Ends: As-cut, Condition: Capillary Tube, Length: 100 mm
- SI807070** Outside Diameter: **2.00mm**, Wall Thickness: 0.20mm, Inside Diameter: 1.60mm, Tube Ends: As-cut, Condition: Capillary Tube, Length: 100 mm to 150 mm



Sphere

- SI806805** Diameter: **0.03mm**, Tolerance: ± 0.02 mm, Surface finish: Polished, Warning: May contain internal bubbles and/or surface marks
- SI806809** Diameter: **0.09mm**, Tolerance: ± 0.02 mm, Surface finish: Polished, Warning: May contain internal bubbles and/or surface marks
- SI806815** Diameter: **0.15mm**, Tolerance: ± 0.05 mm, Surface finish: Polished, Warning: May contain internal bubbles and/or surface marks
- SI806820** Diameter: **0.20mm**, Tolerance: ± 0.05 mm, Surface finish: Polished, Warning: May contain internal bubbles and/or surface marks
- SI806825** Diameter: **0.25mm**, Tolerance: ± 0.05 mm, Surface finish: Polished, Warning: May contain internal bubbles and/or surface marks
- SI806827** Diameter: **0.27mm**, Tolerance: ± 0.17 mm, Surface finish: Polished, Warning: May contain internal bubbles and/or surface marks
- SI806838** Diameter: **0.38mm**, Tolerance: ± 0.06 mm, Surface finish: Polished, Warning: May contain internal bubbles and/or surface marks

- SI806850** Diameter: **0.50mm**, Tolerance: ± 0.07 mm, Surface finish: Polished, Warning: May contain internal bubbles and/or surface marks
- SI806864** Diameter: **0.64mm**, Tolerance: ± 0.07 mm, Surface finish: Polished, Warning: May contain internal bubbles and/or surface marks
- SI806870** Diameter: **0.70mm**, Tolerance: ± 0.10 mm, Surface finish: Polished, Warning: May contain internal bubbles and/or surface marks
- SI806890** Diameter: **0.90mm**, Tolerance: ± 0.10 mm, Surface finish: Polished, Warning: May contain internal bubbles and/or surface marks
- SI806895** Diameter: **1.15mm**, Tolerance: ± 0.15 mm, Surface finish: Polished, Warning: May contain internal bubbles and/or surface marks
- SI806901** Diameter: **1.50mm**, Tolerance: ± 0.10 mm, Surface finish: Polished, Warning: May contain internal bubbles and/or surface marks
- SI806902** Diameter: **2.50mm**, Tolerance: ± 0.10 mm, Surface finish: Polished, Warning: May contain internal bubbles and/or surface marks
- SI806903** Diameter: **3.50mm**, Tolerance: ± 0.15 mm, Surface finish: Polished, Warning: May contain internal bubbles and/or surface marks
- SI806904** Diameter: **4.00mm**, Tolerance: ± 0.15 mm, Surface finish: Polished, Warning: May contain internal bubbles and/or surface marks
- SI806905** Diameter: **5.00mm**, Tolerance: ± 0.15 mm, Surface finish: Polished, Warning: May contain internal bubbles and/or surface marks
- SI806906** Diameter: **6.00mm**, Tolerance: ± 0.20 mm, Surface finish: Polished, Warning: May contain internal bubbles and/or surface marks
- SI806907** Diameter: **7.00mm**, Tolerance: ± 0.20 mm, Surface finish: Polished, Warning: May contain internal bubbles and/or surface marks
- SI806908** Diameter: **8.00mm**, Tolerance: ± 0.20 mm, Surface finish: Polished, Warning: May contain internal bubbles and/or surface marks
- SI806909** Diameter: **9.00mm**, Tolerance: ± 0.30 mm, Surface finish: Polished, Warning: May contain internal bubbles and/or surface marks
- SI806910** Diameter: **10.00mm**, Tolerance: ± 0.30 mm, Surface finish: Polished, Warning: May contain internal bubbles and/or surface marks
- SI806911** Diameter: **11.00mm**, Tolerance: ± 0.30 mm, Surface finish: Polished, Warning: May contain internal bubbles and/or surface marks
- SI806912** Diameter: **12.00mm**, Tolerance: ± 0.30 mm, Surface finish: Polished, Warning: May contain internal bubbles and/or surface marks

Glasses

SI806914 Diameter: **14.00mm**, Tolerance: $\pm 0.40\text{mm}$, Surface finish: Polished, Warning: May contain internal bubbles and/or surface marks

SI806916 Diameter: **16.00mm**, Tolerance: $\pm 0.50\text{mm}$, Surface finish: Polished, Warning: May contain internal bubbles and/or surface marks

SI806917 Diameter: **16.00mm**, Tolerance: $\pm 0.60\text{mm}$, Surface finish: Matt, Warning: May contain internal bubbles and/or surface marks

SI806922 Diameter: **22.00mm**, Tolerance: $\pm 1.00\text{mm}$, Surface finish: Matt, Warning: May contain internal bubbles and/or surface marks

SI806925 Diameter: **25.00mm**, Tolerance: $\pm 1.00\text{mm}$, Surface finish: Matt, Warning: May contain internal bubbles and/or surface marks

SI806935 Diameter: **35.00mm**, Tolerance: $\pm 2.00\text{mm}$, Surface finish: Polished, Warning: May contain internal bubbles and/or surface marks

SI806980 Diameter: **100mm**, Tolerance: $\pm 2\text{mm}$, Surface finish: Polished

SI806990 Diameter: **130mm**, Tolerance: $\pm 4\text{mm}$, Surface finish: Polished

Topaz (Yellow Imperial) $(\text{Al}_2\text{SiO}_4(\text{F},\text{OH})_2)$



Powder

AL876010 Max. Particle size: **100micron**, Condition: Gemstone powder

Turquoise



Powder

AL886010 Max. Particle size: **100micron**, Condition: Gemstone powder

METAL DATA TABLE - PHYSICAL PROPERTIES

		Ag	Al	As	Au	B	Ba	Be
Atomic Properties								
Atomic number		47	13	33	79	5	56	4
Atomic radius - Goldschmidt	nm	0.144	0.143	0.125	0.144	0.097	0.224	0.113
Atomic weight	amu	107.8682	26.98154	74.9216	196.9665	10.81	137.33	9.01218
Crystal structure		Face Centered Cubic	Face Centered Cubic	Rhombohedral	Face Centered Cubic	Tetragonal	Body Centered Cubic	Hexagonal close packed
Electronic structure		Kr 4d ¹⁰ 5s ¹	Ne 3s ² 3p ¹	Ar 3d ¹⁰ 4s ² 4p ³	Xe 4f ¹⁴ 5d ¹⁰ 6s ¹	He 2s ² 2p ¹	Xe 6s ²	He 2s ²
Photo-electric work function	eV	4.7	4.2	5.1	4.8	4.5	2.5	3.4
Thermal neutron absorption cross-section	Barns	63.8	0.232	4.3	98.8	672	1.2	0.0092
Thermal neutron scattering cross-section	Barns	-	-	-	-	-	-	-
Valences shown		1, 2	3	-3, 0, 3, 5	1,3	3	2	2
Natural isotope distribution	Mass No./%	107 - 51.83	27 - 100	75 - 100	197 - 100	10 - 19.8	130 - 0.1	9 - 100
		109 - 48.17	-	-	-	11 - 80.2	132 - 0.1	-
		-	-	-	-	-	134 - 2.4	-
		-	-	-	-	-	135 - 6.6	-
		-	-	-	-	-	136 - 7.9	-
		-	-	-	-	-	137 - 11.2	-
		-	-	-	-	-	138 - 71.7	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Ionization potential	No./eV	1 - 7.58	1 - 5.99	1 - 9.81	1 - 9.22	1 - 8.30	1 - 5.21	1 - 9.32
		2 - 21.5	2 - 18.8	2 - 18.6	2 - 20.5	2 - 25.2	2 - 10.0	2 - 18.2
		3 - 34.8	3 - 28.4	3 - 28.4	-	3 - 37.9	-	3 - 154
		-	4 - 120	4 - 50.1	-	4 - 259	-	4 - 218
		-	5 - 154	5 - 62.6	-	5 - 340	-	-
		-	6 - 190	6 - 128	-	-	-	-
Physical Properties								
Boiling point	C	2212	2467	616	3080	3700	1640	2470
Density	g cm ⁻³	10.5 @20C	2.70 @20C	5.73 @20C	19.30 @20C	2.34-2.37 @20C	3.5 @20C	1.848 @20C
Melting point	C	961.9	660.4	Sublimes > 300	1064.4	2180	725	1278
Electrical Properties								
Electrical resistivity	μOhmcm	1.63 @20C	2.67 @20C	33.3 @20C	2.20 @20C	1.8x10 ¹² @27C	-	3.3 @20C
Temperature coefficient	K ⁻¹	0.0041 @0-100C	0.0045 @0-100C	-	0.0040 @0-100C	-	-	0.0090 @0-100C
Superconductivity critical temperature	K	-	1.175	-	-	-	-	0.026
Thermal emf against Pt (cold 0C - hot 100C)	mV	+ 0.74	+ 0.42	-	+ 0.74	-	-	-
Cold junction @0C, Hot junction @100C	mV	-	-	-	-	-	-	-
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	19.1 @0-100C	23.5 @0-100C	5.6 @0-100C	14.1 @0-100C	8.3 @0-100C	18 @0-100C	12.0 @0-100C
Latent heat of evaporation	J g ⁻¹	2390	10800	-	1738	35000	1100	32470
Latent heat of fusion	J g ⁻¹	103	388	370	64.9	2090	55.8	1350
Specific heat	J K ⁻¹ kg ⁻¹	237 @25C	900 @25C	328 @25C	129 @25C	1030 @25C	192 @25C	1825 @25C
Thermal conductivity	W m ⁻¹ K ⁻¹	429 @0-100C	237 @0-100C	50.2 @0-100C	318 @0-100C	-	-	201 @0-100C

METAL DATA TABLE - PHYSICAL PROPERTIES

		Bi	C	Ca	Cd	Ce	Co	Cr
Atomic Properties								
Atomic number		83	6	20	48	58	27	24
Atomic radius - Goldschmidt	nm	0.182	0.077	0.197	0.152	0.182	0.125	0.128
Atomic weight	amu	208.9804	12.011	40.08	112.41	140.12	58.9332	51.996
Crystal structure		Rhomboidal	Hexagonal/Diamond	Face Centered Cubic	Hexagonal close packed	Face Centered Cubic	Hexagonal close packed	Body Centered Cubic
Electronic structure		Xe 4f ¹⁴ 5d ¹⁰ 6s ² 6p ³	He 2s ² 2p ²	Ar 4s ²	Kr 4d ¹⁰ 5s ²	Xe 4f ² 6s ²	Ar 3d ⁷ 4s ²	Ar 3d ⁵ 4s ¹
Photo-electric work function	eV	4.4	4.8	2.87	4.0	2.9	5.0	4.4
Thermal neutron absorption cross-section	Barns	0.034	0.0034	0.44	2450	0.73	37.5	3.1
Thermal neutron scattering cross-section	Barns	-	-	-	-	-	-	-
Valences shown		3, 5	2, 3, 4	2	2	3, 4	2, 3	2, 3, 6
Natural isotope distribution	Mass No./%	209 - 100	12 - 98.89	40 - 96.941	106 - 1.2	136 - 0.2	59 - 100	50 - 4.35
		-	13 - 1.11	42 - 0.647	108 - 0.9	138 - 0.3	-	52 - 83.79
		-	-	43 - 0.135	110 - 12.4	140 - 88.4	-	53 - 9.50
		-	-	44 - 2.086	111 - 12.8	142 - 11.1	-	54 - 2.36
		-	-	46 - 0.004	112 - 24.0	-	-	-
		-	-	48 - 0.187	113 - 12.3	-	-	-
		-	-	-	114 - 28.8	-	-	-
		-	-	-	116 - 7.6	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Ionization potential	No./eV	1 - 7.29	1 - 11.26	1 - 6.11	1 - 8.99	1 - 5.47	1 - 7.86	1 - 6.77
		2 - 16.7	2 - 24.38	2 - 11.87	2 - 16.9	2 - 10.85	2 - 17.06	2 - 16.5
		3 - 25.6	3 - 47.9	3 - 50.9	3 - 37.5	3 - 20.20	3 - 33.5	3 - 31.0
		4 - 45.3	4 - 64.5	4 - 67.1	-	4 - 36.72	4 - 51.3	4 - 49.1
		5 - 56.0	5 - 392	5 - 84.4	-	-	5 - 79.5	5 - 69.3
		6 - 88.3	6 - 490	6 - 109	-	-	6 - 102	6 - 90.6
Physical Properties								
Boiling point	C	1560	5000	1484	765	3426	2870	2672
Density	g cm ⁻³	9.80 @20C	2.25 @20C	1.55 @20C	8.64 @20C	6.75 @20C	8.9 @20C	7.1 @20C
Melting point	C	271.3	3650	839	321	799	1495	1857
Electrical Properties								
Electrical resistivity	μOhmcm	117 @20C	1375 @0C	3.7 @20C	7.3 @20C	85.4 @20C	6.34 @20C	13.2 @20C
Temperature coefficient	K ⁻¹	0.0046 @0-100C	-	0.00457 @0-100C	0.0043 @0-100C	0.0087 @0-100C	0.0066 @0-100C	0.00214 @0-100C
Superconductivity critical temperature	K	-	-	-	0.517	-	-	-
Thermal emf against Pt (cold 0C - hot 100C)	mV	-7.34	+0.70	-0.51	+0.91	+1.14	-1.33	-
Cold junction @0C, Hot junction @100C	mV	-	-	-	-	-	-	-
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	13.4 @0-100C	0.6-4.3 @0-100C	22.0 @0-100C	31.0 @0-100C	8.0 @0-100C	12.5 @0-100C	6.5 @0-100C
Latent heat of evaporation	J g ⁻¹	857	-	3760	886	2680	6490	6580
Latent heat of fusion	J g ⁻¹	52	-	209	57	37.3	263	260
Specific heat	J K ⁻¹ kg ⁻¹	124 @25C	712 @25C	653 @25C	232 @25C	205 @25C	456 @25C	518 @25C
Thermal conductivity	W m ⁻¹ K ⁻¹	7.9 @0-100C	80-240 @0-100C	125 @0-100C	96.9 @0-100C	11.3 @0-100C	100 @0-100C	94 @0-100C

METAL DATA TABLE - PHYSICAL PROPERTIES

		Cs	Cu	Dy	Er	Eu	Fe	Ga
Atomic Properties								
Atomic number		55	29	66	68	63	26	31
Atomic radius - Goldschmidt	nm	0.27	0.128	0.177	0.175	0.204	0.128	0.135
Atomic weight	amu	133	63.546	162.50	167.26	151.96	55.847	69.72
Crystal structure		Body Centered Cubic	Face Centered Cubic	Hexagonal close packed	Hexagonal close packed	Body Centered Cubic	Body Centered Cubic	Orthorhombic
Electronic structure		Xe 6s ¹	Ar 3d ¹⁰ 4s ¹	Xe 4f ¹⁰ 6s ²	Xe 4f ¹² 6s ²	Xe 4f ⁷ 6s ²	Ar 3d ⁶ 4s ²	Ar 3d ¹⁰ 4s ² 4p ¹
Photo-electric work function	eV	2.14	4.5	-	-	2.5	4.4	4.2
Thermal neutron absorption cross-section	Barns	29	3.8	930	160	4100	2.56	3.1
Thermal neutron scattering cross-section	Barns	-	-	-	-	-	-	-
Valences shown		1	1, 2	3	3	2, 3	2, 3, 4, 6	2, 3
Natural isotope distribution	Mass No./ %	132.91 - 100	63 - 69.2	156 - 0.06	162 - 0.1	151 - 47.8	54 - 5.8	69 - 60
		-	65 - 30.8	158 - 0.10	164 - 1.6	153 - 52.2	56 - 91.8	71 - 40
		-	-	160 - 2.34	166 - 33.4	-	57 - 2.1	-
		-	-	161 - 18.90	167 - 22.9	-	58 - 0.3	-
		-	-	162 - 25.50	168 - 27.0	-	-	-
		-	-	163 - 24.90	170 - 15.0	-	-	-
		-	-	164 - 28.20	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Ionization potential	No./eV	1 - 3.89	1 - 7.73	1 - 5.93	1 - 6.10	1 - 5.67	1 - 7.87	1 - 5.99
		2 - 25.10	2 - 20.29	2 - 11.67	2 - 11.93	2 - 11.25	2 - 16.18	2 - 20.51
		-	3 - 36.8	-	-	-	3 - 30.65	3 - 30.71
		-	4 - 55.2	-	-	-	4 - 54.8	4 - 64.0
		-	5 - 79.9	-	-	-	5 - 75.0	-
		-	6 - 103	-	-	-	6 - 99	-
Physical Properties								
Boiling point	C	705	2567	2562	2863	1597	2750	2205
Density	g cm ⁻³	1.90 @20C	8.96 @20C	8.536 @20C	9.051 @20C	5.243 @25C	7.87 @20C	5.904 @20C
Melting point	C	28.5	1083	1412	1529	822	1535	29.8
Electrical Properties								
Electrical resistivity	μOhmcm	20 @20C	1.69 @20C	91 @20C	86 @20C	90.0 @25C	10.1 @20C	15.5 @20C
Temperature coefficient	K ⁻¹	0.0044 @0-100C	0.0043 @0-100C	0.0012 @0-100C	0.00201 @0-100C	0.0048 @0-100C	0.0065 @0-100C	0.004 @0-100C
Superconductivity critical temperature	K	-	-	-	-	-	-	1.08
Thermal emf against Pt (cold 0C - hot 100C)	mV	-	+0.76	-	-	-	+1.98	-
Cold junction @0C, Hot junction @100C	mV	-	-	-	-	-	-	-
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	97 @1-26C	17.0 @0-100C	8.6 @0-100C	9.2 @0-100C	32.0 @0-100C	12.1 @0-100C	18.3 @0-100C
Latent heat of evaporation	J g ⁻¹	611	4796	1725	1680	1155	6095	3984
Latent heat of fusion	J g ⁻¹	15.78	205	105	103	63.4	272	80.1
Specific heat	J K ⁻¹ kg ⁻¹	230 @25C	385 @25C	173 @25C	168 @25C	176 @25C	444 @25C	330 @25C
Thermal conductivity	W m ⁻¹ K ⁻¹	-	401 @0-100C	10.7 @0-100C	14.5 @0-100C	13.9 @0-100C	80.4 @0-100C	33-41 @0-100C

METAL DATA TABLE - PHYSICAL PROPERTIES

		Gd	Ge	Hf	Ho	In	Ir	K
Atomic Properties								
Atomic number		64	32	72	67	49	77	19
Atomic radius - Goldschmidt	nm	0.180	0.139	0.159	0.176	0.157	0.135	0.238
Atomic weight	amu	157.25	72.59	178.49	164.9304	114.82	192.22	39.0983
Crystal structure		Hexagonal close packed	Diamond	Hexagonal close packed	Hexagonal close packed	Face Centered Tetragonal	Face Centered Cubic	Body Centered Cubic
Electronic structure		Xe 4f ⁷ 5d ¹ 6s ²	Ar 3d ¹⁰ 4s ² 4p ²	Xe 4f ¹⁴ 5d ² 6s ²	Xe 4f ¹¹ 6s ²	Kr 4d ¹⁰ 5s ² 5p ¹	Xe 4f ¹⁴ 5d ⁷ 6s ²	Ar 4s ¹
Photo-electric work function	eV	3.1	4.8	3.9	-	4.12	4.6	2.2
Thermal neutron absorption cross-section	Barns	49000	2.3	103	65	194	425	1.8
Thermal neutron scattering cross-section	Barns	-	-	-	-	-	-	-
Valences shown		3	2, 4	4	3	1, 2, 3	3, 4	1
Natural isotope distribution	Mass No./%	152 - 0.2	70 - 20.5	174 - 0.2	165 - 100	113 - 4.3	191 - 37.3	39 - 93.26
		154 - 2.2	72 - 27.4	176 - 5.2	-	115 - 95.7	193 - 62.7	40 - 0.01
		155 - 14.8	73 - 7.8	177 - 18.5	-	-	-	41 - 6.73
		156 - 20.5	74 - 36.5	178 - 27.1	-	-	-	-
		157 - 15.7	76 - 7.8	179 - 13.8	-	-	-	-
		158 - 24.8	-	180 - 35.2	-	-	-	-
		160 - 21.8	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Ionization potential	No./eV	1 - 6.14	1 - 7.90	1 - 7.0	1 - 6.02	1 - 5.79	1 - 9.1	1 - 4.34
		2 - 12.1	2 - 15.93	2 - 14.9	2 - 11.80	2 - 18.9	-	2 - 31.6
		-	3 - 34.22	3 - 23.3	-	3 - 28.0	-	3 - 45.7
		-	4 - 45.7	4 - 33.3	-	4 - 54	-	4 - 60.9
		-	5 - 93.5	-	-	-	-	5 - 82.7
		-	-	-	-	-	-	6 - 100
Physical Properties								
Boiling point	C	3266	2830	4602	2695	2080	4130	760
Density	g cm ⁻³	7.895 @25C	5.32 @20C	13.1 @20C	8.803 @20C	7.3 @20C	22.4 @20C	0.86 @20C
Melting point	C	1313	937.4	2227	1474	156.6	2410	63.25
Electrical Properties								
Electrical resistivity	μOhmcm	134 @20C	46x10 ⁶ @22C	32.2 @20C	94 @20C	8.8 @20C	5.1 @20C	6.8 @20C
Temperature coefficient	K ⁻¹	0.00176 @0-100C	-	0.0044 @0-100C	0.00171 @0-100C	0.0052 @0-100C	0.0045 @0-100C	0.0057 @0-100C
Superconductivity critical temperature	K	-	-	0.128	-	3.41	0.11	-
Thermal emf against Pt (cold 0C - hot 100C)	mV	-	+ 33.9	-	-	+ 0.69	+ 0.65	-
Cold junction @0C, Hot junction @100C	mV	-	-	-	-	-	-	-
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	6.4 @0-100C	5.75 @0-100C	6.0 @0-100C	9.5 @0-400C	24.8 @0-100C	6.8 @0-100C	83 @0-100C
Latent heat of evaporation	J g ⁻¹	1920	4516	3700	1695	2024	3186	2033
Latent heat of fusion	J g ⁻¹	98.7	465	122	104	28.5	135	61
Specific heat	J K ⁻¹ kg ⁻¹	230 @25C	322 @25C	146 @25C	165 @25C	234 @25C	133 @25C	753 @25C
Thermal conductivity	W m ⁻¹ K ⁻¹	10.5 @0-100C	60.2 @0-100C	23.0 @0-100C	16.2 @0-100C	81.8 @0-100C	147 @0-100C	102.5 @0-100C

METAL DATA TABLE - PHYSICAL PROPERTIES

		La	Li	Lu	Mg	Mn	Mo	Na
Atomic Properties								
Atomic number		57	3	71	12	25	42	11
Atomic radius - Goldschmidt	nm	0.187	0.157	0.173	0.160	0.112	0.140	0.192
Atomic weight	amu	138.9055	6.941	174.967	24.305	54.938	95.94	22.99
Crystal structure		Hexagonal close packed/ Face Centered Cubic	Body Centered Cubic	Hexagonal close packed	Hexagonal close packed	Body Centered Cubic	Body Centered Cubic	Body Centered Cubic
Electronic structure		Xe 5d ¹ 6s ²	He 2s ¹	Xe 4f ¹⁴ 5d ¹ 6s ²	Ne 3s ²	Ar 3d ⁵ 4s ²	Kr 4d ⁵ 5s ¹	Ne 3s ¹
Photo-electric work function	eV	3.5	2.4	3.3	3.66	3.8	4.2	212
Thermal neutron absorption cross-section	Barns	8.9	63	75	0.064	13.3	2.65	0.54
Thermal neutron scattering cross-section	Barns	-	-	-	-	-	-	-
Valences shown		3	1	3	2	1, 2, 3, 4, 6, 7	2, 3, 4, 5, 6	1
Natural isotope distribution	Mass No./ %	138 - 0.09	6 - 7.5	175 - 97.4	24 - 78.99	55 - 100	92 - 14.8	23 - 100
		139 - 99.91	7 - 92.5	176 - 2.6	25 - 10.00	-	94 - 9.3	-
		-	-	-	26 - 11.01	-	95 - 15.9	-
		-	-	-	-	-	96 - 16.7	-
		-	-	-	-	-	97 - 9.6	-
		-	-	-	-	-	98 - 24.1	-
		-	-	-	-	-	100 - 9.6	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Ionization potential	No./eV	1 - 5.58	1 - 5.39	1 - 5.43	1 - 7.65	1 - 7.43	1 - 7.10	1 - 5.14
		2 - 11.06	2 - 75.6	2 - 13.9	2 - 15.03	2 - 15.64	2 - 16.15	2 - 47.30
		3 - 19.18	3 - 122.4	-	3 - 80.1	3 - 33.67	3 - 27.2	3 - 71.64
		-	-	-	4 - 109	4 - 51.2	4 - 46.4	4 - 98.91
		-	-	-	5 - 141	5 - 72.4	5 - 61.2	5 - 138.39
		-	-	-	6 - 187	6 - 95	6 - 68	6 - 172.15
Physical Properties								
Boiling point	C	3457	1342	3395	1090	1962	4612	883
Density	g cm ⁻³	6.174 @20C	0.534 @20C	9.842 @20C	1.74 @20C	7.4 @20C	10.22 @20C	0.97 @20C
Melting point	C	921	180.5	1663	649	1244	2617	97.8
Electrical Properties								
Electrical resistivity	μOhmcm	57 @20C	9.29 @20C	68 @20C	4.2 @20C	160 @20C	5.7 @20C	4.9 @27C
Temperature coefficient	K ⁻¹	0.00218 @0-100C	0.00435 @0-100C	0.0024 @0-100C	0.00425 @0-100C	-	0.00435 @0-100C	0.0055 @0-100C
Superconductivity critical temperature	K	4.88	-	0.1	-	-	0.915	-
Thermal emf against Pt (cold 0C - hot 100C)	mV	-	+1.82	-	+0.44	-	+1.45	-
Cold junction @0C, Hot junction @100C	mV	-	-	-	-	-	-	-
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	4.9 @0-100C	56 @0-100C	12.5 @0-400C	26.0 @0-100C	23.0 @0-100C	5.1 @0-100C	71 @0-100C
Latent heat of evaporation	J g ⁻¹	2897	19600	2155	5254	4207	6153	4260
Latent heat of fusion	J g ⁻¹	60.2	422	110	362	267	290	113
Specific heat	J K ⁻¹ kg ⁻¹	197 @25C	3560 @25C	155 @25C	1020 @25C	477 @25C	251 @25C	-
Thermal conductivity	W m ⁻¹ K ⁻¹	13.4 @0-100C	84.8 @0-100C	16.4 @0-100C	156 @0-100C	7.81 @0-100C	138 @0-100C	128 @0-100C

METAL DATA TABLE - PHYSICAL PROPERTIES

		Nb	Nd	Ni	Os	P	Pb	Pd
Atomic Properties								
Atomic number		41	60	28	76	15	82	46
Atomic radius - Goldschmidt	nm	0.147	0.182	0.125	0.135	0.109	0.175	0.137
Atomic weight	amu	92.9064	144.24	58.69	190.2	30.97	207.2	106.42
Crystal structure		Body Centered Cubic	Hexagonal close packed	Face Centered Cubic	Hexagonal close packed	-	Face Centered Cubic	Face Centered Cubic
Electronic structure		Kr 4d ⁴ 5s ¹	Xe 4f ⁴ 6s ²	Ar 3d ⁸ 4s ²	Xe 4f ¹⁴ 5d ⁶ 6s ²	Ne 3s ² p ³	Xe 4f ¹⁴ 5d ¹⁰ 6s ² 6p ²	Kr 4d ¹⁰
Photo-electric work function	eV	4.3	3.2	4.9	4.8	-	4.0	5.0
Thermal neutron absorption cross-section	Barns	1.15	49	4.54	15.3	0.19	0.18	6.0
Thermal neutron scattering cross-section	Barns	-	-	-	-	-	-	-
Valences shown		2, 3, 4, 5	3	0, 1, 2, 3	0, 1, 2, 3, 4, 5, 6, 7, 8	3, 4, 5	2, 4	2, 3, 4
Natural isotope distribution	Mass No./%	93 - 100	142 - 27.2	58 - 68.27	184 - 0.02	31 - 100	204 - 1.4	102 - 1.0
		-	143 - 12.2	60 - 26.10	186 - 1.58	-	206 - 24.1	104 - 11.0
		-	144 - 23.8	61 - 1.13	187 - 1.6	-	207 - 22.1	105 - 22.2
		-	145 - 8.3	62 - 3.59	188 - 13.3	-	208 - 52.4	106 - 27.3
		-	146 - 17.2	64 - 0.91	189 - 16.1	-	-	108 - 26.7
		-	148 - 5.7	-	190 - 26.4	-	-	110 - 11.8
		-	150 - 5.6	-	192 - 41.0	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Ionization potential	No./eV	1 - 6.88	1 - 5.49	1 - 7.63	1 - 8.7	1 - 10.49	1 - 7.42	1 - 8.3
		2 - 14.3	2 - 10.72	2 - 18.2	2 - 16	2 - 19.72	2 - 15.03	2 - 19.4
		3 - 25.0	-	3 - 35.2	-	3 - 30.18	3 - 31.9	3 - 32.9
		4 - 38.3	-	4 - 54.9	-	4 - 51.37	4 - 42.3	-
		5 - 50.5	-	5 - 75.5	-	5 - 65.02	5 - 68.8	-
		6 - 103	-	6 - 108	-	6 - 220.43	-	-
Physical Properties								
Boiling point	C	4742	3068	2732	5027	280 (White allotrope)	1740	3140
Density	g cm ⁻³	8.57 @20C	7.004 @20C	8.9 @20C	22.5 @20C	1.82 @20C	11.35 @20C	12.0 @20C
Melting point	C	2468	1021	1453	3045	44.1 (White allotrope)	327.5	1554
Electrical Properties								
Electrical resistivity	μOhmcm	16 @20C	64 @20C	6.9 @20C	8.8 @20C	-	20.6 @20C	10.8 @20C
Temperature coefficient	K ⁻¹	0.0026 @0-100C	0.00164 @0-100C	0.0068 @0-100C	0.0041 @0-100C	-	0.0042 @0-100C	0.0042 @0-100C
Superconductivity critical temperature	K	9.25	-	-	0.66	-	7.196	-
Thermal emf against Pt (cold 0C - hot 100C)	mV	-	-	-1.48	-	-	+0.44	-0.57
Cold junction @0C, Hot junction @100C	mV	-	-	-	-	-	-	-
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	7.2 @0-100C	6.7 @0-100C	13.3 @0-100C	4.57 @0-100C	-	29.0 @0-100C	11.0 @0-100C
Latent heat of evaporation	J g ⁻¹	7360	2000	6378	3305	-	862	3398
Latent heat of fusion	J g ⁻¹	290	75	292	154	-	23.2	157
Specific heat	J K ⁻¹ kg ⁻¹	268 @25C	205 @25C	444 @25C	131 @25C	-	159 @25C	244 @25C
Thermal conductivity	W m ⁻¹ K ⁻¹	53.7 @0-100C	13 @0-100C	90.9 @0-100C	87.6 @0-100C	-	35.3 @0-100C	71.8 @0-100C

METAL DATA TABLE - PHYSICAL PROPERTIES

		Pr	Pt	Rb	Re	Rh	Ru	Sb
Atomic Properties								
Atomic number		59	78	37	75	45	44	51
Atomic radius - Goldschmidt	nm	0.183	0.138	0.251	0.138	0.134	0.134	0.161
Atomic weight	amu	140.9077	195.08	85.4678	186.207	102.9055	101.07	121.75
Crystal structure		Hexagonal close packed	Face Centered Cubic	Body Centered Cubic	Hexagonal close packed	Face Centered Cubic	Hexagonal close packed	Rhombohedral
Electronic structure		Xe 4f ³ 6s ²	Xe 4f ¹⁴ 5d ⁹ 6s ¹	Kr 5s ¹	Xe 4f ¹⁴ 5d ⁵ 6s ²	Kr 4d ⁸ 5s ¹	Kr 4d ⁷ 5s ¹	Kr 4d ¹⁰ 5s ² 5p ³
Photo-electric work function	eV	-	5.3	2.1	5.0	4.6	4.71	4.1
Thermal neutron absorption cross-section	Barns	11.5	9.0	0.5	85	150	3.0	5.0
Thermal neutron scattering cross-section	Barns	-	-	-	-	-	-	-
Valences shown		3, 4	1, 2, 3, 4	1, 2, 3, 4	-1, 1, 2, 3, 4, 5, 6, 7	2, 3, 4, 5, 6	0, 1, 2, 3, 4, 5, 6, 7, 8	-3, 0, 3, 5
Natural isotope distribution	Mass No./%	141 - 100	190 - 0.01	85 - 72.17	185 - 37.4	103 - 100	96 - 5.5	121 - 57.3
		-	192 - 0.79	87 - 27.83	187 - 62.6	-	98 - 1.9	123 - 42.7
		-	194 - 32.90	-	-	-	99 - 12.7	-
		-	195 - 33.80	-	-	-	100 - 12.6	-
		-	196 - 25.30	-	-	-	101 - 17.1	-
		-	198 - 7.20	-	-	-	102 - 31.6	-
		-	-	-	-	-	104 - 18.6	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Ionization potential	No./eV	1 - 5.42	1 - 9.0	1 - 4.18	1 - 7.87	1 - 7.46	1 - 7.36	1 - 8.64
		2 - 10.55	2 - 18.6	2 - 27.3	2 - 16.6	2 - 18.1	2 - 16.8	2 - 16.53
		3 - 21.62	-	3 - 40.0	-	3 - 31.1	3 - 28.5	3 - 25.3
		4 - 38.95	-	4 - 52.6	-	-	-	4 - 44.2
		5 - 57.45	-	5 - 71.0	-	-	-	5 - 56.0
		-	-	6 - 84.4	-	-	-	6 - 108
Physical Properties								
Boiling point	C	3512	3827	686	5627	3727	3900	1750
Density	g cm ⁻³	6.782 @20C	21.45 @20C	1.532 @20C	21.0 @20C	12.4 @20C	12.2 @20C	6.68 @20C
Melting point	C	931	1772	38.89	3180	1965	2310	630.7
Electrical Properties								
Electrical resistivity	μOhmcm	68 @20C	10.58 @20C	12.1 @20C	18.7 @20C	4.7 @20C	7.7 @20C	40.1 @20C
Temperature coefficient	K ⁻¹	0.00171 @0-100C	0.00392 @0-100C	0.0048 @0-100C	0.0045 @0-100C	0.0044 @0-100C	0.0041 @0-100C	0.0051 @0-100C
Superconductivity critical temperature	K	-	-	-	1.70	-	0.49	-
Thermal emf against Pt (cold 0C - hot 100C)	mV	-	-	-	-	+0.70	-	+4.89
Cold junction @0C, Hot junction @100C	mV	-	-	-	-	-	-	-
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	4.8 @0-100C	9.0 @0-100C	9.0 @0-100C	6.6 @0-100C	8.5 @0-100C	9.6 @0-100C	9.0 @0-100C
Latent heat of evaporation	J g ⁻¹	2343	2405	887	3824	4800	5610	1370
Latent heat of fusion	J g ⁻¹	80	101	25.7	179.9	210	252	163
Specific heat	J K ⁻¹ kg ⁻¹	192 @25C	133 @25C	360 @25C	138 @25C	244 @25C	238 @25C	205 @25C
Thermal conductivity	W m ⁻¹ K ⁻¹	12.5 @0-100C	71.6 @0-100C	58.2 @0-100C	48.0 @0-100C	150 @0-100C	117 @0-100C	24.4 @0-100C

METAL DATA TABLE - PHYSICAL PROPERTIES

		Sc	Se	Si	Sm	Sn	Ta	Tb
Atomic Properties								
Atomic number		21	34	14	62	50	73	65
Atomic radius - Goldschmidt	nm	0.160	0.116	0.117	0.180	0.158	0.147	0.177
Atomic weight	amu	44.9559	78.96	28.0855	150.36	118.69	180.9479	158.9254
Crystal structure		Hexagonal close packed	Hexagonal	Diamond	Rhomboidal	Tetragonal	Body Centered Cubic	Hexagonal close packed
Electronic structure		Ar 3d ¹ 4s ²	Ar 3d ¹⁰ 4s ² 4p ⁴	Ne 3s ² 3p ²	Xe 4f ⁶ 6s ²	Kr 4d ¹⁰ 5s ² 5p ²	Xe 4f ¹⁴ 5d ³ 6s ²	Xe 4f ⁹ 6s ²
Photo-electric work function	eV	3.5	5.9	4.2	2.7	4.3	4.1	3.0
Thermal neutron absorption cross-section	Barns	25	12.2	0.16	5820	0.63	22	30
Thermal neutron scattering cross-section	Barns	-	-	-	-	-	-	-
Valences shown		3	-2, 4, 6	4	2, 3	2, 4	2, 3, 4, 5	3, 4
Natural isotope distribution	Mass No./%	45 - 100	74 - 0.9	28 - 92.23	144 - 3.1	112 - 1.0	180 - 0.012	159 - 100
		-	76 - 9.0	29 - 4.67	147 - 15.1	114 - 0.7	181 - 99.988	-
		-	77 - 7.6	30 - 3.10	148 - 11.3	115 - 0.4	-	-
		-	78 - 23.5	-	149 - 13.9	116 - 14.7	-	-
		-	80 - 49.8	-	150 - 7.4	117 - 7.7	-	-
		-	82 - 9.2	-	152 - 26.6	118 - 24.3	-	-
		-	-	-	154 - 22.6	119 - 8.6	-	-
		-	-	-	-	120 - 32.4	-	-
		-	-	-	-	122 - 4.6	-	-
		-	-	-	-	124 - 5.6	-	-
Ionization potential	No./eV	1 - 6.54	1 - 9.75	1 - 8.15	1 - 5.63	1 - 7.34	1 - 7.88	1 - 5.85
		2 - 12.8	2 - 21.2	2 - 16.3	2 - 11.07	2 - 14.63	2 - 16.2	2 - 11.52
		3 - 24.8	3 - 30.8	3 - 33.5	-	3 - 30.5	-	-
		4 - 73.5	4 - 42.9	4 - 45.1	-	4 - 40.7	-	-
		5 - 91.7	5 - 68.3	5 - 167	-	5 - 72.3	-	-
		6 - 111	6 - 81.7	6 - 205	-	-	-	-
Physical Properties								
Boiling point	C	2831	685	2355	1791	2270	5425	3123
Density	g cm ⁻³	2.99 @20C	4.79 @20C	2.34 @20C	7.536 @20C	7.28 @20C	16.6 @20C	8.272 @20C
Melting point	C	1541	217	1410	1077	231.9	2996	1356
Electrical Properties								
Electrical resistivity	μOhmcm	66 @20C	12 @20C	23 x 10 ¹⁰ @20C	92 @20C	12.6 @20C	13.5 @20C	116 @20C
Temperature coefficient	K ⁻¹	0.00282 @0-100C	-	-	0.00148 @0-100C	0.0046 @0-100C	0.0035 @0-100C	-
Superconductivity critical temperature	K	-	-	-	-	3.722	4.47	-
Thermal emf against Pt (cold 0C - hot 100C)	mV	-	-	-41.56	-	+0.42	+0.33	-
Cold junction @0C, Hot junction @100C	mV	-	-	-	-	-	-	-
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	12 @0-100C	37 @0-100C	4.7-7.6 @0-100C	-	23.5 @0-100C	6.5 @0-100C	7.0 @0-100C
Latent heat of evaporation	J g ⁻¹	7293	333	13700	1280	2497	4165	1840
Latent heat of fusion	J g ⁻¹	357	69	1650	72.4	59.6	174	103
Specific heat	J K ⁻¹ kg ⁻¹	557 @25C	321 @25C	703 @25C	180 @25C	213 @25C	140 @25C	183 @25C
Thermal conductivity	W m ⁻¹ K ⁻¹	15.8 @0-100C	0.5 @0-100C	80-150 @0-100C	13.3 @0-100C	66.8 @0-100C	57.5 @0-100C	11.1 @0-100C

METAL DATA TABLE - PHYSICAL PROPERTIES

		Te	Th	Ti	Tm	U	V	W
Atomic Properties								
Atomic number		52	90	22	69	92	23	74
Atomic radius - Goldschmidt	nm	0.143	0.180	0.147	0.174	0.138	0.136	0.141
Atomic weight	amu	127.60	232.0381	47.88	168.9342	238.0289	50.9415	183.85
Crystal structure		Hexagonal	Face Centered Cubic	Hexagonal close packed	Hexagonal close packed	Orthorhombic	Body Centered Cubic	Body Centered Cubic
Electronic structure		Kr 4d ¹⁰ 5s ² 5p ⁴	Rn 6d ² 7s ²	Ar 3d ² 4s ²	Xe 4f ¹³ 6s ²	Rn 5f ³ 6d ¹ 7s ²	Ar 3d ³ 4s ²	Xe 4f ¹⁴ 5d ⁴ 6s ²
Photo-electric work function	eV	4.8	3.5	4.1	-	3.6	4.3	4.55
Thermal neutron absorption cross-section	Barns	4.7	7.4	6.1	115	7.6	5.06	18.5
Thermal neutron scattering cross-section	Barns	-	-	-	-	-	-	-
Valences shown		2, 4, 6	2, 3, 4	2, 3, 4	2, 3	2, 3, 4, 5, 6	2, 3, 4, 5	2, 3, 4, 5, 6
Natural isotope distribution	Mass No./%	120 - 0.1	232 - 100	46 - 8.0	169 - 100	234 - 0.005	50 - 0.25	180 - 0.1
		122 - 2.5	-	47 - 7.5	-	235 - 0.720	51 - 99.75	182 - 26.3
		123 - 0.9	-	48 - 73.7	-	238 - 99.275	-	183 - 14.3
		124 - 4.6	-	49 - 5.5	-	-	-	184 - 30.7
		125 - 7.0	-	50 - 5.3	-	-	-	186 - 28.6
		126 - 18.7	-	-	-	-	-	-
		128 - 31.7	-	-	-	-	-	-
		130 - 34.5	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Ionization potential	No./eV	1 - 9.01	1 - 6.95	1 - 6.82	1 - 6.18	1 - 6.19	1 - 6.74	1 - 7.98
		2 - 18.6	2 - 11.5	2 - 13.6	2 - 12.05	-	2 - 14.6	2 - 17.7
		3 - 28.0	3 - 20.0	3 - 27.5	3 - 23.71	-	3 - 29.3	-
		4 - 37.4	4 - 28.8	4 - 43.3	-	-	4 - 46.7	-
		5 - 58.8	-	5 - 99.2	-	-	5 - 65.2	-
		6 - 70.7	-	6 - 119	-	-	6 - 128	-
Physical Properties								
Boiling point	C	990	4790	3287	1947	3818	3380	5660
Density	g cm ⁻³	6.25 @20C	11.72 @20C	4.5 @20C	9.322 @25C	19.05 @20C	6.1 @20C	19.3 @20C
Melting point	C	450	1750	1660	1545	1132	1890	3410
Electrical Properties								
Electrical resistivity	μOhmcm	1.6x10 ⁵ @0C	14.0 @20C	54 @20C	90 @20C	27 @20C	19.6 @20C	5.4 @20C
Temperature coefficient	K ⁻¹	-	0.0040 @0-100C	0.0038 @0-100C	0.00195 @0-100C	0.0034 @0-100C	0.0039 @0-100C	0.0048 @0-100C
Superconductivity critical temperature	K	-	1.38	0.40	-	-	5.40	0.0154
Thermal emf against Pt (cold 0C - hot 100C)	mV	-	-0.13	-	-	-	0.63	+1.12
Cold junction @0C, Hot junction @100C	mV	-	-	-	-	-	-	-
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	16.75 @0-100C	11.2 @0-100C	8.9 @0-100C	11.6 @0-400C	13.4 @0-100C	8.3 @0-100C	4.5 @0-100C
Latent heat of evaporation	J g ⁻¹	820	2202	8893	1456	1753	8975	4009
Latent heat of fusion	J g ⁻¹	138	82.8	365	109	52.5	345	192
Specific heat	J K ⁻¹ kg ⁻¹	201 @25C	113 @25C	523 @25C	160 @25C	116 @25C	486 @25C	133 @25C
Thermal conductivity	W m ⁻¹ K ⁻¹	3.3 @0-100C	54 @0-100C	21.9 @0-100C	16.9 @0-100C	27.5 @0-100C	30.7 @0-100C	173 @0-100C

METAL DATA TABLE - PHYSICAL PROPERTIES

		Y	Yb	Zn	Zr
Atomic Properties					
Atomic number		39	70	30	40
Atomic radius - Goldschmidt	nm	0.181	0.193	0.137	0.160
Atomic weight	amu	88.9059	173.04	65.38	91.22
Crystal structure		Hexagonal close packed	Hexagonal close packed	Hexagonal close packed	Hexagonal close packed
Electronic structure		Kr 4d ¹ 5s ²	Xe 4f ¹⁴ 6s ²	Ar 3d ¹⁰ 4s ²	Kr 4d ² 5s ²
Photo-electric work function	eV	3.1	-	4.3	3.8
Thermal neutron absorption cross-section	Barns	1.3	37	1.10	0.182
Thermal neutron scattering cross-section	Barns	-	-	-	-
Valences shown		3	2, 3	2	2, 3, 4
Natural isotope distribution	Mass No./%	89 - 100	168 - 0.1	64 - 48.6	90 - 51.4
		-	170 - 3.1	66 - 27.9	91 - 11.2
		-	171 - 14.3	67 - 4.1	92 - 17.1
		-	172 - 21.9	68 - 18.8	94 - 17.5
		-	173 - 16.2	70 - 0.6	96 - 2.8
		-	174 - 31.7	-	-
		-	176 - 12.7	-	-
		-	-	-	-
		-	-	-	-
		-	-	-	-
Ionization potential	No./eV	1 - 6.38	1 - 6.25	1 - 9.39	1 - 6.84
		2 - 12.2	2 - 12.2	2 - 17.96	2 - 13.13
		3 - 20.5	3 - 25.2	3 - 39.7	3 - 22.99
		4 - 61.8	-	4 - 59.4	4 - 34.34
		5 - 77	-	5 - 82.6	5 - 81.5
		6 - 93	-	6 - 108	6 - 99
Physical Properties					
Boiling point	C	3338	1194	907	4377
Density	g cm ⁻³	4.478 @20C	6.977 @20C	7.14 @20C	6.49 @20C
Melting point	C	1522	819	419.5	1852
Electrical Properties					
Electrical resistivity	μOhmcm	53 @20C	28 @20C	5.96 @20C	44 @20C
Temperature coefficient	K ⁻¹	0.00271 @0-100C	0.0013 @0-100C	0.0042 @0-100C	0.0044 @0-100C
Superconductivity critical temperature	K	-	-	0.85	0.61
Thermal emf against Pt (cold 0C - hot 100C)	mV	+0.55	-	+0.76	+1.17
Cold junction @0C, Hot junction @100C	mV	-	-	-	-
Thermal Properties					
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	10.8 @0-400C	25.0 @0-100C	31.0 @0-100C	5.9 @0-100C
Latent heat of evaporation	J g ⁻¹	4135	921	1748	6360
Latent heat of fusion	J g ⁻¹	193	53.2	111	211
Specific heat	J K ⁻¹ kg ⁻¹	285 @25C	145 @25C	388 @25C	281 @25C
Thermal conductivity	W m ⁻¹ K ⁻¹	17.2 @0-100C	34.9 @0-100C	116 @0-100C	22.7 @0-100C

METAL DATA TABLE - MECHANICAL PROPERTIES

		Ag	Ag	Ag	Al	Al	Al	As	Au
Material condition		Soft	Hard	Polycrys- talline	Soft	Hard	Polycrys- talline	Polycrys- talline	Soft
Bulk modulus	GPa	-	-	103.6	-	-	75.2	22.0	-
Hardness - Brinell		-	-	-	-	-	-	-	-
Hardness - Mohs		-	-	-	-	-	-	-	-
Hardness - Vickers		25	95	-	21	35-48	-	57-69	20-30
Izod toughness	J m ⁻¹	5	-	-	-	-	-	-	-
Poisson's ratio		-	-	0.367	-	-	0.345	-	-
Tensile modulus	GPa	-	-	82.7	-	-	70.6	-	-
Tensile strength	MPa	172	330	-	50-90	130-195	-	-	130
Yield strength	MPa	-	-	-	10-35	110-170	-	-	-

		Au	Au	B	Ba	Be	Be	Be	Bi
Material condition		Hard	Polycrys- talline	Arc melted	Polycrys- talline	Soft	Hard	Polycrys- talline	Polycrys- talline
Bulk modulus	GPa	-	171	-	9.7	-	-	110	31.3
Hardness - Brinell		-	-	-	-	-	-	-	-
Hardness - Mohs		-	-	9.5	-	-	-	-	-
Hardness - Vickers		60	-	-	-	150	200	-	16-19
Izod toughness	J m ⁻¹	-	-	-	-	-	-	-	-
Poisson's ratio		-	0.42	-	0.28	-	-	0.02	0.33
Tensile modulus	GPa	-	78.5	441	12.8	-	-	318	34.0
Tensile strength	MPa	220	-	1580- 2410	-	310	550	-	-
Yield strength	MPa	205	-	-	-	240	345	-	-

		C	C	Ca	Ca	Ca	Cd	Cd	Ce
Material condition		Graphite	Diamond	Soft	Hard	Polycrys- talline	Cast	Polycrys- talline	Cast
Bulk modulus	GPa	33	542	-	-	17.2	-	51	-
Hardness - Brinell		-	-	-	-	-	-	-	-
Hardness - Mohs		0.5-1.0	10	-	-	-	2.0	-	-
Hardness - Vickers		-	-	17	-	-	-	-	25-30
Izod toughness	J m ⁻¹	-	-	-	-	-	-	-	-
Poisson's ratio		-	-	-	-	0.31	-	0.3	-
Tensile modulus	GPa	4.8	-	-	-	19.6	-	62.6	-
Tensile strength	MPa	-	-	55	115	-	71	-	102
Yield strength	MPa	-	-	14	84.5	-	-	-	91

		Ce	Co	Co	Co	Cr	Cr	Cr	Cs
Material condition		Polycrys- talline	Soft	Hard	Polycrys- talline	Soft	Hard	Polycrys- talline	Polycrys- talline
Bulk modulus	GPa	24.4	-	-	181.5	-	-	160.2	-
Hardness - Brinell		-	-	-	-	-	-	-	-
Hardness - Mohs		-	-	-	-	-	-	-	0.2
Hardness - Vickers		-	170	320	-	130	220	-	-
Izod toughness	J m ⁻¹	-	-	-	-	-	-	-	-
Poisson's ratio		0.248	-	-	0.32	-	-	0.21	-
Tensile modulus	GPa	33.5	-	-	211	-	-	279	-
Tensile strength	MPa	-	760	1135	-	103	689	-	-
Yield strength	MPa	-	345-485	-	-	-	-	-	-

METAL DATA TABLE - MECHANICAL PROPERTIES

		Cu	Cu	Cu	Dy	Er	Eu	Fe	Ga
Material condition		Soft	Hard	Polycrystalline	Polycrystalline	Polycrystalline	Polycrystalline	Polycrystalline	Polycrystalline
Bulk modulus	GPa	-	-	137.8	39.2	41.8	12.1	169.8	-
Hardness - Brinell		-	-	-	-	-	-	-	-
Hardness - Mohs		-	-	-	-	-	-	4.0-5.0	1.5-2.5
Hardness - Vickers		49	87	-	55	70	20	-	-
Izod toughness	J m ⁻¹	58	68	-	-	-	-	8-16	-
Poisson's ratio		-	-	0.343	0.232	0.207	0.286	0.293	0.47
Tensile modulus	GPa	-	-	129.8	63.1	73.3	14.7	211.4	9.81
Tensile strength	MPa	224	314	-	248	292	-	180-210	-
Yield strength	MPa	54	270	-	228	292	-	120-150	-

		Gd	Ge	Ge	Ge	Hf	Hf	Hf	Ho
Material condition		Polycrystalline	Polycrystalline	-	-	Soft	Hard	Polycrystalline	Polycrystalline
Bulk modulus	GPa	39.1	73.9	-	-	-	-	109	40.5
Hardness - Brinell		-	-	-	-	-	-	-	-
Hardness - Mohs		-	6.25	-	-	-	-	-	-
Hardness - Vickers		55	-	-	-	150-180	-	-	60
Izod toughness	J m ⁻¹	-	-	-	-	-	-	-	-
Poisson's ratio		0.26	0.32	-	0.32	-	-	0.26	0.225
Tensile modulus	GPa	56.2	79.9	-	79.9	-	-	141	66.9
Tensile strength	MPa	193	-	-	-	445	745	-	262
Yield strength	MPa	179	-	-	-	240	365	-	221

		In	In	Ir	Ir	Ir	K	La	Li
Material condition		Soft	Polycrystalline	Soft	Hard	Polycrystalline	Polycrystalline @ -190C	Polycrystalline	Polycrystalline
Bulk modulus	GPa	-	35.3	-	-	371	3.1	24.8	11.1
Hardness - Brinell		-	-	-	-	-	-	-	-
Hardness - Mohs		-	-	-	-	-	0.5	-	-
Hardness - Vickers		< 10	-	200-300	650	-	-	40	< 5
Izod toughness	J m ⁻¹	-	-	-	-	-	-	-	-
Poisson's ratio		-	0.45	-	-	0.26	0.35	0.28	0.36
Tensile modulus	GPa	-	10.6	-	-	528	3.53	37.9	4.91
Tensile strength	MPa	2.6-4.5	-	550-1100	1200	-	-	131	-
Yield strength	MPa	-	-	-	-	-	-	124	-

		Lu	Mg	Mg	Mg	Mn	Mo	Mo	Mo
Material condition		Polycrystalline	Soft	Hard	Polycrystalline	Polycrystalline	Soft	Hard	Polycrystalline
Bulk modulus	GPa	42	-	-	35.6	118	-	-	261.2
Hardness - Brinell		-	-	-	-	-	-	-	-
Hardness - Mohs		-	-	-	-	5.0	-	-	-
Hardness - Vickers		85	30-35	35-45	-	-	200	250	-
Izod toughness	J m ⁻¹	-	-	-	-	-	-	-	-
Poisson's ratio		0.223	-	-	0.291	0.24	-	-	0.293
Tensile modulus	GPa	84	-	-	44.7	191	-	-	324.8
Tensile strength	MPa	-	185	232	-	-	485-550	620-690	-
Yield strength	MPa	-	69	100	-	-	415-450	550	-

METAL DATA TABLE - MECHANICAL PROPERTIES

		Nb	Nb	Nb	Nd	Ni	Ni	Ni	Os
Material condition		Soft	Hard	Polycrystalline	Polycrystalline	Soft	Hard	Polycrystalline	Soft
Bulk modulus	GPa	-	-	170.3	33.3	-	-	177.3	-
Hardness - Brinell		-	-	-	-	100	190	-	-
Hardness - Mohs		-	-	-	-	-	-	-	-
Hardness - Vickers		115	160	-	35	-	-	-	300-350
Izod toughness	J m ⁻¹	10-120	-	-	-	160	160	-	-
Poisson's ratio		-	-	0.397	0.310	-	-	0.312	-
Tensile modulus	GPa	-	-	104.9	37.9	-	-	199.5	-
Tensile strength	MPa	330	585	-	172	400	660	-	-
Yield strength	MPa	240	550	-	165	150	480	-	-

		Os	Os	Pb	Pb	Pd	Pd	Pd	Pr
Material condition		Hard	Polycrystalline	Sand cast	Polycrystalline	Soft	Hard	Polycrystalline	Polycrystalline
Bulk modulus	GPa	-	373	-	45.8	-	-	187	31.2
Hardness - Brinell		-	-	-	-	-	-	-	-
Hardness - Mohs		-	-	1.5	-	-	-	-	-
Hardness - Vickers		670-1000	-	-	-	40	100	-	40
Izod toughness	J m ⁻¹	-	-	-	-	-	-	-	-
Poisson's ratio		-	0.25	-	0.44	-	-	0.39	0.312
Tensile modulus	GPa	-	559	-	16.1	-	-	121	35.2
Tensile strength	MPa	-	-	12	-	140-195	325	-	110
Yield strength	MPa	-	-	5.5	-	34.5	205	-	103

		Pt	Pt	Pt	Rb	Re	Re	Re	Rh
Material condition		Soft	Hard	Polycrystalline	Polycrystalline	Soft	Hard	Polycrystalline	Soft
Bulk modulus	GPa	-	-	276	2.5	-	-	334	-
Hardness - Brinell		-	-	-	-	-	-	-	-
Hardness - Mohs		-	-	-	0.3	-	-	-	-
Hardness - Vickers		40	100	-	-	280	700	-	120
Izod toughness	J m ⁻¹	-	-	-	-	-	-	-	-
Poisson's ratio		-	-	0.39	0.30	-	-	0.26	-
Tensile modulus	GPa	-	-	170	2.35	-	-	466	-
Tensile strength	MPa	125-150	200-300	-	-	1125	2225	-	690-760
Yield strength	MPa	14-35	185	-	-	315	2150	-	69-275

		Rh	Rh	Ru	Ru	Ru	Sb	Sc	Sc
Material condition		Hard	Polycrystalline	Soft	Hard	Polycrystalline	Polycrystalline	Soft	Hard
Bulk modulus	GPa	-	276	-	-	286	42	-	-
Hardness - Brinell		-	-	-	-	-	-	78	136
Hardness - Mohs		-	-	-	-	-	3.0-3.3	-	-
Hardness - Vickers		300	-	350	750	-	-	-	-
Izod toughness	J m ⁻¹	-	-	-	-	-	-	-	-
Poisson's ratio		-	0.26	-	-	0.25	0.25-0.33	-	-
Tensile modulus	GPa	-	379	-	-	432	54.7	-	-
Tensile strength	MPa	1380-2070	-	495	-	-	-	-	-
Yield strength	MPa	-	-	372	-	-	-	-	-

METAL DATA TABLE - MECHANICAL PROPERTIES

		Sc	Se	Si	Sm	Sn	Ta	Ta	Ta
Material condition		Polycrys- talline	Polycrys- talline	Polycrys- talline	Polycrys- talline	Polycrys- talline	Soft	Hard	Polycrys- talline
Bulk modulus	GPa	44.2	8.3	100	29.9	58.2	-	-	196.3
Hardness - Brinell		-	-	-	-	-	-	-	-
Hardness - Mohs		-	2.0	7.0	-	1.5-1.8	-	-	-
Hardness - Vickers		-	-	-	-	-	90	200	-
Izod toughness	J m ⁻¹	-	-	-	-	-	-	-	-
Poisson's ratio		0.27	0.447	0.42	0.310	0.357	-	-	0.342
Tensile modulus	GPa	79.3	58	113	34.1	49.9	-	-	185.7
Tensile strength	MPa	-	-	-	124	-	172-207	760	-
Yield strength	MPa	-	-	-	110	-	310-380	705	-

		Tb	Te	Th	Th	Th	Ti	Ti	Tm
Material condition		Polycrys- talline	Polycrys- talline	Soft	Hard	Polycrys- talline	An- nealed	Polycrys- talline	Polycrys- talline
Bulk modulus	GPa	40.8	31.4	-	-	54	-	108.4	40.5
Hardness - Brinell		-	-	-	-	-	-	-	53
Hardness - Mohs		-	2.3	-	-	-	-	-	-
Hardness - Vickers		60	-	38	70	-	60	-	-
Izod toughness	J m ⁻¹	-	-	41	-	6	61	-	-
Poisson's ratio		0.265	0.16-0.3	-	-	0.26	-	0.361	0.235
Tensile modulus	GPa	57.5	47.1	-	-	78.3	-	120.2	76
Tensile strength	MPa	-	-	115	305	-	230-460	-	-
Yield strength	MPa	-	-	48	295	-	140-250	-	-

		U	U	U	V	V	V	W	W
Material condition		Soft	Hard	Polycrys- talline	Soft	Hard	Polycrys- talline	Soft	Hard
Bulk modulus	GPa	-	-	97.9	-	-	158	-	-
Hardness - Brinell		-	-	-	-	-	-	-	-
Hardness - Mohs		-	-	-	-	-	-	-	-
Hardness - Vickers		187	250	-	80	150	-	360	500
Izod toughness	J m ⁻¹	19	15	-	10-136	-	-	-	-
Poisson's ratio		-	-	0.20	-	-	0.365	-	-
Tensile modulus	GPa	-	-	175.8	-	-	127.6	-	-
Tensile strength	MPa	385	580	-	260-585	530-730	-	550-620	1920
Yield strength	MPa	190	250	-	170-450	515-690	-	550	-

		W	Y	Y	Y	Yb	Zn	Zr	Zr
Material condition		Polycrys- talline	Soft	Hard	Polycrys- talline	Polycrys- talline	Polycrys- talline	Soft	Polycrys- talline
Bulk modulus	GPa	311	-	-	37.3	13.5	69.4	-	89.8
Hardness - Brinell		-	30-60	100-140	-	25	-	-	-
Hardness - Mohs		-	-	-	-	-	2.5	-	-
Hardness - Vickers		-	-	-	-	-	-	85-100	-
Izod toughness	J m ⁻¹	-	24	-	-	-	-	-	-
Poisson's ratio		0.28	-	-	0.265	0.280	0.249	-	0.38
Tensile modulus	GPa	411	-	-	66.3	17.8	104.5	-	98
Tensile strength	MPa	-	130	455	-	68.9	-	350-390	-
Yield strength	MPa	-	57	375	-	65.5	-	250-310	-

POLYMER DATA TABLE

		Acrylonitrile/ Methylacry- late copolymer	Cellulose	Cellulose Acetate	Cellulose Acetate Butyrate CAB	Cyclo-olefin copolymer	Ethylene- Chloro- trifluoro- ethylene copolymer E-CTFE	Ethylene- Tetrafluoro- ethylene Copolymer	FEP
Physical Properties									
Abbe number		-	-	-	80-84	58	-	-	-
Density	g cm ⁻³	1.15	1.44	1.3	1.20	1.02	1.68	1.7	2.15
Flammability		-	-	HB	HB	HB	V0	V0	V0
Limiting oxygen index	%	-	approx. 18	19	17	-	60	30-32	95
Optical transmission	%	-	-	-	-	92-94	-	-	-
Radiation resistance		-	Fair	Fair	Fair	Good	Fair	Fair	Poor
Refractive index		1.511	1.47	1.49	1.478	1.53	-	1.403	1.344
Resistance to Ultra-violet		-	-	Fair	Good	Fair-Poor	-	Excellent	Excellent
Water absorption	%	-	-	-	-	< 0.01	-	0-0.03	0.01
Water absorption - equilibrium	%	-	50	-	-	-	-	-	-
Water absorption - over 24 hours	%	-	-	1.9-7.0	0.9-2.2	< 0.01	< 0.02	-	-
Electrical Properties									
Dielectric constant @1kHz		-	-	-	-	-	-	-	-
Dielectric constant @1MHz		-	4 (dry)	approx. 5	2.5-6.2	-	2.3-2.5	2.6	2.1
Dielectric strength	kV mm ⁻¹	-	30-50 @ 1mm	11	10	-	40	25	20 @ 3.2mm
Dissipation factor @ 1kHz		-	0.06	0.06	0.04	-	0.002	-	-
Dissipation factor @ 1MHz		-	-	-	-	-	-	0.0005	0.0007
Surface resistivity	Ohm/sq	-	-	-	-	10 ¹⁴	10 ¹⁴ -10 ¹⁵	> 10 ¹⁴	10 ¹⁶
Volume resistivity	Ohmcm	1.9x10 ¹³	10 ¹⁰ - 10 ¹²	5 x 10 ¹²	10 ¹¹ -10 ¹⁵	10 ¹²	10 ¹⁵ -10 ¹⁶	10 ¹⁶	10 ¹⁸
Thermal Properties									
Coefficient of thermal expansion	×10 ⁻⁶ K ⁻¹	0.665	-	80-180	140	60	80	90-170	83 - 104
Heat-deflection temperature - 0.45MPa	C	77	-	52-105	73	130	115	105	50
Heat-deflection temperature - 1.8MPa	C	69	-	48-86	62	-	75	70	70
Lower working temperature	C	-	-	-20	< -40	-	-75	< -100	-250
Specific heat	J K ⁻¹ kg ⁻¹	1800	approx. 1400	1200-1900	-	-	-	1900-2000	1100
Thermal conductivity	W m ⁻¹ K ⁻¹	0.17	0.0035 @10C	0.16-0.36 @23C	0.16-0.32 @23C	0.16	0.16 @23C	0.24 @23C	0.19 - 0.24 @23C
Upper working temperature	C	-	-	55-95	60-100	-	130-170	150-160	150 - 200
Mechanical Properties									
Abrasive resistance - ASTM D1044	mg/1000 cycles	-	-	65	-	-	5	-	-
Coefficient of friction		-	-	-	-	-	0.07-0.08	-	0.27-0.67
Compression set after 24 hr at 175C	%	-	-	-	-	-	-	-	-
Compressive modulus	GPa	-	-	-	-	-	-	-	-
Compressive strength	MPa	83.0	-	-	-	-	-	-	-
Elongation at break	%	3	18/55	-	60	3	200	250-350	150-300
Hardness - Rockwell		M60/R115	-	34-125	99	-	R95	R50	R25-45, 60 Shore D
Izod impact strength	J m ⁻¹	approx. 100	-	100-450	260	-	< 1000	> 1000	No break
Poisson's ratio		-	-	-	-	-	-	-	0.48
Tear strength	N mm ⁻¹	-	-	-	-	-	-	-	-
Tensile modulus	GPa	approx. 3	5/3	1.0-4.0	0.3-2.0	3.1	1.4-1.6	0.8	0.5 - 0.6
Tensile strength	MPa	66	120/55	12-110	20-60	66	48	28-48	14 - 30
Chemical Resistance									
Acids - concentrated		Good	-	Poor	-	-	Good	Good	Good
Acids - dilute		Good	Good	Good-Poor	Fair-Poor	Good	Good	Good	Good
Alcohols		Good	-	Fair-Poor	Poor	Good	Good	Good	Good
Alkalies		Good	Good	Poor	Fair-Poor	Good	Good	Good	Good
Aromatic hydrocarbons		Good	-	Good-Poor	Poor	-	Good	Good	Good
Greases and Oils		Good	Good	Good	Good-Poor	Fair-Poor	Good	Good	Good
Halogenated Hydrocarbons		-	-	Good-Poor	Poor	-	Good-Fair	Good	Good
Halogens		-	-	Poor	Poor	-	Good	Good	Good
Ketones		Fair	-	Poor	Poor	-	Good	Good	Good

POLYMER DATA TABLE

		Hexafluoro-propylene-vinylidene-fluoride copolymer Viton™ FKM	Poly L lactic acid - Biopolymer	Poly-acrylamide/ acrylate Hydrogel	Polyacrylonitrile	Polyacrylonitrile-butadiene-styrene ABS	Polyamide Nylon 4,6 PA 4,6	Polyamide Nylon 6 PA 6	Polyamide - Nylon 6 - 30% Glass Fiber Reinforced
Physical Properties									
Abbe number		-	-	-	-	-	-	-	-
Density	g cm ⁻³	2.0	1.25	approx. 1.5	1.18	1.05	1.18	1.13	1.35
Flammability		Self Extinguishing	-	-	-	HB @ 1.5mm	V2 @ 0.8mm	HB	HB
Limiting oxygen index	%	-	-	-	-	19	24	25	-
Optical transmission	%	-	-	-	-	-	-	-	-
Radiation resistance		Poor	-	-	-	Fair	Fair	Fair	-
Refractive index		-	-	-	-	-	-	1.53	-
Resistance to Ultra-violet		Excellent	Good	-	-	Poor	-	Poor	-
Water absorption	%	-	0.3	-	-	-	-	-	6.6
Water absorption - equilibrium	%	-	0.3	-	-	-	3.7	> 8	-
Water absorption - over 24 hours	%	-	-	-	-	0.3-0.7	1.3	2.7	8
Electrical Properties									
Dielectric constant @1kHz		-	-	-	-	-	-	-	-
Dielectric constant @1MHz		-	-	-	-	3.2 - 3.3	3.8-4.3	3.6	-
Dielectric strength	kV mm ⁻¹	-	-	-	-	20-25	20	25	-
Dissipation factor @ 1kHz		-	-	-	-	-	0.35	0.2	-
Dissipation factor @ 1MHz		-	-	-	-	0.02	-	-	-
Surface resistivity	Ohm/sq	-	-	-	-	-	10 ¹² -10 ¹⁴	5x10 ¹⁰	-
Volume resistivity	Ohmcm	-	-	-	-	> 10 ¹⁵	10 ¹³ -10 ¹⁵	5x10 ¹²	-
Thermal Properties									
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	160	-	-	-	80	80-90	95	2.5
Heat-deflection temperature - 0.45MPa	C	-	-	-	-	98	220	200	210
Heat-deflection temperature - 1.8MPa	C	-	-	-	-	89	160	80	220
Lower working temperature	C	-10 to -50	-10	-	-	-	-40	-40	-
Specific heat	J K ⁻¹ kg ⁻¹	-	-	-	-	-	-	1700	1500
Thermal conductivity	W m ⁻¹ K ⁻¹	0.2 @23C	-	-	-	0.17 @23C	0.30 @23C	0.24-0.28 @23C	0.28 @23C
Upper working temperature	C	220 to 300	50	-	-	70-100	100-200	80-160	180
Mechanical Properties									
Abrasive resistance - ASTM D1044	mg/1000 cycles	-	-	-	-	-	-	5	-
Coefficient of friction		-	-	-	-	0.5	-	0.2-0.3	0.46-0.52
Compression set after 24 hr at 175C	%	43	-	-	-	-	-	-	-
Compressive modulus	GPa	-	-	-	-	-	-	-	-
Compressive strength	MPa	-	-	-	-	-	-	-	-
Elongation at break	%	200	2.4	-	-	45	-	-	2.5
Hardness - Rockwell		Shore A75	-	-	-	R100-110	M92	M82	E70
Izod impact strength	J m ⁻¹	-	-	-	-	200-400	80	30-250	800-1500
Poisson's ratio		-	-	-	-	0.35	-	0.39	-
Tear strength	N mm ⁻¹	10	-	-	-	-	-	-	-
Tensile modulus	GPa	-	3.6	-	-	2.1-2.4	3.1-3.3	2.6-3.0	8.5
Tensile strength	MPa	9	70	-	-	41-45	55-100	78	140
Chemical Resistance									
Acids - concentrated		Good-Fair	-	-	-	Good-Poor	-	Poor	-
Acids - dilute		Good	-	Good-Fair	-	Good	-	Poor	-
Alcohols		Good-Fair	-	Good	-	Good-Poor	-	Good	-
Alkalis		Good-Fair	-	Fair	-	Good	-	Good-Fair	-
Aromatic hydrocarbons		Good-Fair	-	Good	-	Poor	-	Good	-
Greases and Oils		Good-Fair	-	-	-	Good	-	Good	-
Halogenated Hydrocarbons		Good-Fair	-	Good	-	Poor	-	Good-Poor	-
Halogens		Good	-	-	-	Poor	-	Poor	-
Ketones		Poor	-	Good	-	Poor	-	Good	-

POLYMER DATA TABLE

		Polyamide Nylon 6,6 PA 6,6	Polyamide - Nylon 6, 6 - 30% Carbon Fiber Reinforced	Polyamide Nylon 6,6 PA 6,6 30% GFR	Polyamide - Nylon 6,10	Polyamide Nylon 11 PA 11	Polyamide Nylon 12 PA 12	Polyamide - Nylon 12 - 30% Glass Fiber Reinforced	Polyamide/ imide/ PAI
Physical Properties									
Abbe number		-	-	-	-	-	-	-	-
Density	g cm ⁻³	1.14	1.28	1.4	1.08	1.04	1.02	1.23	1.42-1.46
Flammability		HB	HB	HB	-	V2	HB-V2	HB	V0
Limiting oxygen index	%	23	22	22	-	22	21	-	44-45
Optical transmission	%	-	-	-	-	-	-	-	-
Radiation resistance		Fair	-	-	-	Fair	Fair	-	Good
Refractive index		1.53	-	-	-	-	-	-	-
Resistance to Ultra-violet		Poor	-	-	-	Fair?	Fair?	Good	Good
Water absorption	%	8.5	-	-	-	-	-	-	-
Water absorption - equilibrium	%	8	-	-	-	2.5	1.6	0.6	3-4
Water absorption - over 24 hours	%	2.3	< 0.1	1-5	-	0.8	-	-	0.3
Electrical Properties									
Dielectric constant @1kHz		-	-	-	-	-	-	-	-
Dielectric constant @1MHz		3.4	-	3.9-5.7	-	3.0	3.5 @ 100kHz	4	3.9-5.4
Dielectric strength	kV mm ⁻¹	25	-	-	-	20	26-30 @ 1mm	35	23 at 1mm
Dissipation factor @ 1kHz		0.2	-	-	-	0.05	0.06	-	-
Dissipation factor @ 1MHz		-	-	-	-	-	-	0.04	0.03-0.042
Surface resistivity	Ohm/sq	10 ¹¹	10 ⁹	-	-	10 ¹⁴	10 ¹³	-	8-50 x 10 ¹⁷
Volume resistivity	Ohmcm	10 ¹³	10 ²	10 ¹² -10 ¹⁵	-	10 ¹⁴	10 ¹² -10 ¹⁴	-	0.08-2 x 10 ¹⁷
Thermal Properties									
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	90	14	20-30	-	125	100-120	20	25-31
Heat-deflection temperature - 0.45MPa	C	200	-	257	-	150	130-135	-	-
Heat-deflection temperature - 1.8MPa	C	100	260	252	-	55	48-55	160	278-9
Lower working temperature	C	-30	-	-	-	-50	-	-78	= < -200
Specific heat	J K ⁻¹ kg ⁻¹	1670	-	-	-	-	-	-	1000
Thermal conductivity	W m ⁻¹ K ⁻¹	0.25 @23C	0.51	0.23 @23C	-	0.3 @23C	-	0.16	0.26-0.54 @23C
Upper working temperature	C	80-180	120-200	80-200	-	70-130	-	105-150	200-260
Mechanical Properties									
Abrasive resistance - ASTM D1044	mg/1000 cycles	3-5	-	-	-	-	-	-	-
Coefficient of friction		0.2-0.3	-	-	-	0.2-0.3	-	-	-
Compression set after 24 hr at 175C	%	-	-	-	-	-	-	-	-
Compressive modulus	GPa	-	-	-	-	-	-	-	-
Compressive strength	MPa	-	-	-	-	-	-	110	170-220
Elongation at break	%	40	2	5	10-78	320	290-300	8	7-15
Hardness - Rockwell		M89	-	M100	-	M60	R84-107	R110	E72-86
Izod impact strength	J m ⁻¹	40-110	-	120	-	96	-	234	60-140 - notched
Poisson's ratio		0.41	-	-	-	-	-	-	0.38
Tear strength	N mm ⁻¹	-	-	-	-	-	-	-	-
Tensile modulus	GPa	3.3	24	10-11	2.2	1.5	-	6	4.5-6.8
Tensile strength	MPa	82	260	160-210	63-66	44	50-55	105	110-190
Chemical Resistance									
Acids - concentrated		Poor	Poor	Poor	-	Poor	Poor	Poor	Fair-Poor
Acids - dilute		Poor	Poor	Poor	-	Fair-Poor	Fair-Poor	Fair-Poor	Fair
Alcohols		Good	Good	Good	-	Fair	Fair	Fair	Good-Poor
Alkalis		Good-Fair	Good-Fair	Good-Fair	-	Good-Fair	Good-Fair	Poor	Poor
Aromatic hydrocarbons		Good	Good	Good	-	Good	Good	-	Good
Greases and Oils		Good	Good	Good	-	Good	Good	-	Good
Halogenated Hydrocarbons		Good-Poor	Good-Poor	Good-Poor	-	Good-Poor	Good-Poor	-	Good-Poor
Halogens		Poor	Poor	Poor	-	Poor	Poor	-	Good-Poor
Ketones		Good	Good-Poor	Good-Poor	-	Good-Fair	Good-Fair	-	Good

POLYMER DATA TABLE

		Polyaramid Kevlar [®]	Polyaramid Nomex [®]	Polybenz- imid azole PBI	Poly- butylene tere- phthalate PBT	Polybutylene tere- phthalate 30% Glass Fiber Reinforced PBT 30% GFR	Poly- carbonate PC	Polycarbo- nate - 30% Carbon Fiber Reinforced	Polycarbo- nate - 30% Glass Fiber Filled
Physical Properties									
Abbe number		-	-	-	-	-	34.0	-	-
Density	g cm ⁻³	1.44	1.38	1.3	1.31	1.63	1.2	1.33	1.43
Flammability		-	-	Does not burn	HB	HB	V0-V2	V0	V-1
Limiting oxygen index	%	-	29	58	25	23	25-27	25-27	-
Optical transmission	%	-	-	-	-	-	-	-	-
Radiation resistance		-	Good	Good	Good	-	Fair	-	-
Refractive index		-	-	-	-	-	1.584-6	-	-
Resistance to Ultra-violet		Fair	-	-	Fair?	-	Fair	-	-
Water absorption	%	3.5	-	-	-	-	-	-	0.28
Water absorption - equilibrium	%	3.5	9	-	-	-	0.35	-	0.11
Water absorption - over 24 hours	%	-	0.08	0.4	0.1	0.15-0.35	0.1	<0.2	-
Electrical Properties									
Dielectric constant @1kHz		-	2.3	-	3.2	-	-	-	-
Dielectric constant @1MHz		-	-	3.2	-	4	2.9	-	3.3
Dielectric strength	kV mm ⁻¹	-	32	21	20	20	15-67	-	30
Dissipation factor @ 1kHz		-	-	-	0.002	0.002	-	-	-
Dissipation factor @ 1MHz		-	-	-	-	-	0.01	-	0.009
Surface resistivity	Ohm/sq	-	-	-	-	-	10 ¹⁵	10 ²	10 ¹⁴
Volume resistivity	Ohmcm	-	6x10 ¹⁶	8x10 ¹⁴	10 ¹⁵	2x10 ¹⁴	10 ¹⁴ -10 ¹⁶	10 ³	10 ¹⁶
Thermal Properties									
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	-2 along axis	20	23	-	20-70	66-70	14	30
Heat-deflection temperature - 0.45MPa	C	-	-	435	150	220	140	-	147
Heat-deflection temperature - 1.8MPa	C	-	149	-	60	200	128-138	-	142
Lower working temperature	C	-200	-	-	-	-	-135	-	-
Specific heat	J K ⁻¹ kg ⁻¹	1400	1200	-	1200-2300	-	approx. 1200	-	1080
Thermal conductivity	W m ⁻¹ K ⁻¹	0.04 @23C	0.13 @23C	0.41 @23C	-	0.24 @23C	0.19-0.22 @23C	0.7	0.26
Upper working temperature	C	180-245	200 - 300	260-400	120-?	120-200	115-130	130	140
Mechanical Properties									
Abrasive resistance - ASTM D1044	mg/1000 cycles	-	-	-	-	-	10-15	-	-
Coefficient of friction		-	-	0.19-0.27	-	-	0.31	-	-
Compression set after 24 hr at 175C	%	-	-	-	-	-	-	-	-
Compressive modulus	GPa	-	-	6.2	-	-	-	-	-
Compressive strength	MPa	-	-	400	-	-	> 80	-	-
Elongation at break	%	-	< 9	3	250	2	100-150	2	3
Hardness - Rockwell		-	-	K115	M70	M93	M70	-	-
Izod impact strength	J m ⁻¹	-	533 unnotched	590 unnotched	60	70	600-850	-	-
Poisson's ratio		-	-	0.34	-	-	0.37	-	-
Tear strength	N mm ⁻¹	-	-	-	-	-	-	-	-
Tensile modulus	GPa	59-124	-	5.9	2	12	2.3-2.4	18	5.8
Tensile strength	MPa	2760	1800-3900	160	50	185	55-75	170	70
Chemical Resistance									
Acids - concentrated		Poor	Poor	Poor	Good-Poor	Good-Poor	Good	Fair	Fair
Acids - dilute		Fair	Good-Fair	Fair-Poor	Good	Good	Good	Good	Good
Alcohols		Good	Good	Good	Good	Good	Good	Good	Good
Alkalies		Good-Poor	Good-Poor	Good-Poor	Fair	Fair	Good-Poor	Poor	Poor
Aromatic hydrocarbons		Good	Good	Good	Good	Good	Poor	Poor	Poor
Greases and Oils		Good	Good	Good	Good	Good	Good-Fair	Good	Good
Halogenated Hydrocarbons		Good	Good	Good	Good-Poor	Good-Poor	Good-Poor	-	-
Halogens		Good	-	-	Poor	Poor	Poor	Poor	Poor
Ketones		Good	Good	Good	Good-Poor	Good-Poor	Poor	Poor	Poor

POLYMER DATA TABLE

		Polychlorotri- fluoroethylene	Poly- ether- ether- ketone PEEK	Poly- ether- imide PEI	Polyetherke- tone	Polyetherke- toneketone	Poly- ether- sulfone PES	Poly- ethylene Carbon filled	Poly- ethylene High density HDPE
Physical Properties									
Abbe number		-	-	-	-	-	-	-	-
Density	g cm ⁻³	2.10 - 2.14	1.26 - 1.32	1.27	1.3	1.31	1.37	0.96	0.95
Flammability		V-0	V-0 @ 1.5mm	V-0 @ 0.4mm	UL94 V-0	V-0	V-0 @ 0.4mm	-	HB
Limiting oxygen index	%	-	35	47	35	-	34-41	-	17
Optical transmission	%	-	-	-	-	-	-	-	-
Radiation resistance		-	Good	Good	Good	Good	Good-Fair	-	Fair
Refractive index		1.435	-	-	-	-	1.65	-	1.54
Resistance to Ultra-violet		-	Fair	Good/Fair	Good	-	Fair	Good	Poor
Water absorption	%	<0.01	-	-	-	-	-	-	-
Water absorption - equilibrium	%	-	0.5	1.3	-	-	2.2	-	-
Water absorption - over 24 hours	%	-	0.1-0.3	0.25	0.07	<0.20	0.4-1	-	<0.01
Electrical Properties									
Dielectric constant @1kHz		-	3.2-3.3 @ 50Hz-10KHz	3.1	-	3.3	-	-	-
Dielectric constant @1MHz		2.24-2.8	-	-	-	-	3.7	-	2.3-2.4
Dielectric strength	kV mm ⁻¹	14	190 @ 50cm	30 @ 1.6mm	23	23.6	16	-	22
Dissipation factor @ 1kHz		0.023-0.027	-	-	-	0.004	-	-	-
Dissipation factor @ 1MHz		0.01	0.003	0.0013 @ 1KHz	-	-	0.003	-	1-10 x 10 ⁻⁴
Surface resistivity	Ohm/sq	10 ¹⁵	-	4.10 ¹³	-	2x10 ¹⁶	-	10 ³ -10 ⁴	10 ¹³
Volume resistivity	Ohmcm	10 ¹⁶	10 ¹⁵ -10 ¹⁶	7.10 ¹⁵	-	10 ¹⁶	10 ¹⁷	<10 ⁵	10 ¹⁵ -10 ¹⁸
Thermal Properties									
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	70	47/108	56	45	38	55	-	100-200
Heat-deflection temperature - 0.45MPa	C	126	>260	200	-	-	>260	-	75
Heat-deflection temperature - 1.8MPa	C	-	160	190	163	175	203	-	46
Lower working temperature	C	-240	-	-	-	-	-110	-	-
Specific heat	J K ⁻¹ kg ⁻¹	900	1340	2000	2.2	-	-	-	1900
Thermal conductivity	W m ⁻¹ K ⁻¹	0.13	0.25 @23C	0.22 @23C	23	0.25	0.13-0.18 @23C	-	0.45-0.52 @23C
Upper working temperature	C	120-149	250	170-200	-	260	180-220	-	55-120
Mechanical Properties									
Abrasive resistance - ASTM D1044	mg/1000 cycles	-	-	10	-	-	6	-	-
Coefficient of friction		-	0.18	-	-	0.26	-	-	0.29
Compression set after 24 hr at 175C	%	-	-	-	-	-	-	-	-
Compressive modulus	GPa	-	-	2.9	-	-	-	-	-
Compressive strength	MPa	9-12	-	140	140	206	-	-	-
Elongation at break	%	80-250	50	60	20	12	40-80	-	-
Hardness - Rockwell		R75-112	M99	R125	-	M88	M88	-	D60-73 - Shore
Izod impact strength	J m ⁻¹	267	85	50	5.0	69	85	-	20-210
Poisson's ratio		-	0.4	0.44	-	-	0.4	-	0.46
Tear strength	N mm ⁻¹	-	-	-	-	-	-	-	-
Tensile modulus	GPa	1.3-1.8	3.7-4.0	2.9	3.7	4.5	2.4-2.6	-	0.5-1.2
Tensile strength	MPa	31-41	70-100	85	115	110	70-95	20	15-40
Chemical Resistance									
Acids - concentrated		Good	Good-Poor	Good(-Fair?)	-	-	Good-Poor	Fair	Good-Fair
Acids - dilute		Good	Good	Good	-	-	Good	Good	Good
Alcohols		Good	Good	Good	-	-	Good	Good	Good
Alkalis		Good	Good	Good-Poor	-	-	Good	-	Good
Aromatic hydrocarbons		Good	Good	Poor	-	-	Good	-	Fair
Greases and Oils		Good	Good	Good	-	-	Good-Fair	-	Good-Fair
Halogenated Hydrocarbons		-	Good	Good-Poor	-	-	Good	-	Fair-Poor
Halogens		Good	Good-Poor	-	-	-	Fair-Poor	-	Fair-Poor
Ketones		Good	Good-Poor	Poor	-	-	Good	Fair	Good-Fair

POLYMER DATA TABLE

		Poly-ethylene Low Density LDPE	Polyethylene - Medium Density	Poly-ethylene U.H.M.W.	Poly-ethylene naphthalate PEN	Poly-ethylene tere-phthalate Polyester, PET, PETP	Polyhydrox- yalkaonate - Biopolymer	Poly- hydroxy- butyrate Biopolymer PHB	Polyhydroxy- butyrate/ Polyhydroxy- valerate 8% - Biopolymer
Physical Properties									
Abbe number		-	-	-	-	-	-	-	-
Density	g cm ⁻³	0.92	0.935	0.94	1.36	1.3-1.4	1.23	1.25	1.25
Flammability		HB	HB	HB	VTM-2 - UL94, 0.075mm	HB	-	-	-
Limiting oxygen index	%	17	17	17	-	21	-	-	-
Optical transmission	%	-	-	-	84 @ 0.075mm	-	-	-	-
Radiation resistance		Fair	Fair	Fair	-	Good	-	-	-
Refractive index		1.51	-	-	-	1.58-1.64	-	-	-
Resistance to Ultra-violet		Poor	Poor	Poor	Fair	Fair?	-	Fair	Fair
Water absorption	%	-	-	-	0.4	-	< 0.4	-	-
Water absorption - equilibrium	%	-	< 0.01	-	-	< 0.7	-	-	-
Water absorption - over 24 hours	%	< 0.015	-	< 0.01	-	0.1	-	-	-
Electrical Properties									
Dielectric constant @ 1kHz		-	-	-	-	-	-	-	-
Dielectric constant @ 1MHz		2.2-2.35	2.3-2.4	2.3	3.2 @ 10KHz	3.0	-	3.0	3.0
Dielectric strength	kV mm ⁻¹	27	22	28	160 @ 0.075mm	17	-	-	-
Dissipation factor @ 1kHz		-	-	-	0.005	0.002	-	-	-
Dissipation factor @ 1MHz		1-10 x 10 ⁻⁴	1-10 x 10 ⁻⁴	1-10 x 10 ⁻⁴	0.0048 @ 10KHz	-	-	-	-
Surface resistivity	Ohm/sq	10 ¹³	10 ¹³	10 ¹³	10 ¹⁴	10 ¹³	-	-	-
Volume resistivity	Ohmcm	10 ¹⁵ -10 ¹⁸	10 ¹⁵ -10 ¹⁸	10 ¹⁸	10 ¹⁵	> 10 ¹⁴	-	10 ¹⁶	10 ¹⁶
Thermal Properties									
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	100-200	100-200	130-200	20-21 - biax film	20-80	-	-	-
Heat-deflection temperature - 0.45MPa	C	50	62	69	-	115	-	-	-
Heat-deflection temperature - 1.8MPa	C	35	43	42	-	80	-	-	-
Lower working temperature	C	-60	-118	-	-	-40 to -60	-	-	-
Specific heat	J K ⁻¹ kg ⁻¹	1900-2300	1900	1900	-	1200 - 1350	-	-	1400
Thermal conductivity	W m ⁻¹ K ⁻¹	0.33 @23C	0.45-0.52	0.42-0.51 @23C	0.15 @23C	0.15-0.4 @23C	-	-	0.15 @23C
Upper working temperature	C	50-90	-	55-95	155	115-170	-	95	-
Mechanical Properties									
Abrasive resistance - ASTM D1044	mg/1000 cycles	-	-	-	-	-	-	-	-
Coefficient of friction		-	-	0.1-0.2	0.27 - biax film	0.2-0.4	-	-	-
Compression set after 24 hr at 175C	%	-	-	-	-	-	-	-	-
Compressive modulus	GPa	-	-	-	-	-	-	-	-
Compressive strength	MPa	-	-	-	-	-	-	-	-
Elongation at break	%	400	100-150	500	60 - biax film	-	35	6	15
Hardness - Rockwell		D41-46 - Shore	D50 - Shore	R50-70	-	M94-101	-	-	-
Izod impact strength	J m ⁻¹	> 1000	-	> 1000	-	13-35	-	35-60	100
Poisson's ratio		-	0.46	0.46	-	0.37- 0.44(oriented)	-	-	-
Tear strength	N mm ⁻¹	-	-	-	-	-	-	-	-
Tensile modulus	GPa	0.1-0.3	-	0.2-1.2	5-5.5 - biax film	2-4	-	3.5	0.9
Tensile strength	MPa	5-25	12-19	20-40	200 - biax film	80, for biax film 190-260	30	40	28
Chemical Resistance									
Acids - concentrated		Good-Fair	Good-Fair	Good-Fair	Good-Poor	Good-Poor	-	-	-
Acids - dilute		Good	Good	Good	Good	Good	-	Fair	Fair
Alcohols		Good	Good	Good	Good	Good	-	Fair	Fair
Alkalis		Good	Good	Good	Good	Poor	-	Poor	Poor
Aromatic hydrocarbons		Fair-Poor	Fair	Fair	Good	Good-Fair	-	-	-
Greases and Oils		Good-Fair	Good-Fair	Good-Fair	Good	Good	-	Good	Good
Halogenated Hydrocarbons		Fair-Poor	Fair-Poor	Fair-Poor	Good	Good-Poor	-	-	-
Halogens		Fair-Poor	Fair-Poor	Fair-Poor	-	Fair-Poor	-	-	-
Ketones		Good-Fair	Good-Fair	Good-Fair	Good	Good-Fair	-	-	-

POLYMER DATA TABLE

		Polyhydroxy- butyrate/ Polyhydroxy- valerate 12% - Biopolymer	Polyimide PI	Polyketone	Poly(lactic acid - Biopolymer	Poly- methyl- meth- acrylate PMMA	Poly- methyl- pentene TPX [®]	Polyoxy- methylene Copolymer Acetal Copolymer POMC	Polyoxy- methylene Homopoly- mer Acetal Homopoly- mer POMH
Physical Properties									
Abbe number		-	-	-	-	57.2	-	-	-
Density	g cm ⁻³	1.25	1.42	1.24	1.24	1.19	0.835	1.41	1.42
Flammability		-	V0	HB	-	HB	HB	HB	HB
Limiting oxygen index	%	-	53	-	-	17-20	17	15	15
Optical transmission	%	-	-	-	-	-	-	-	-
Radiation resistance		-	Good	-	-	Fair	-	Poor	Poor
Refractive index		-	1.66	-	-	1.49	1.463	-	-
Resistance to Ultra-violet		Fair	Poor	-	-	Good	Poor	Poor	Poor
Water absorption	%	-	-	0.8-0.9	-	-	-	-	-
Water absorption - equilibrium	%	-	-	-	-	-	-	0.6 - 0.8	0.6 - 0.9
Water absorption - over 24 hours	%	-	0.2-2.9	-	-	0.2	0.01	0.2 - 0.25	0.25
Electrical Properties									
Dielectric constant @1kHz		-	-	-	-	-	-	-	-
Dielectric constant @1MHz		3.0	3.4	-	-	2.6	2.12	3.7 - 4.4	3.7
Dielectric strength	kV mm ⁻¹	-	22	-	-	15	-	20 @ 2.3mm	20
Dissipation factor @ 1kHz		-	0.0018	-	-	-	0.0002	-	-
Dissipation factor @ 1MHz		-	-	-	-	0.014	-	0.006 - 0.18	0.005
Surface resistivity	Ohm/sq	-	10 ¹⁶	-	-	10 ¹⁴	-	10 ¹⁵	10 ¹⁵
Volume resistivity	Ohmcm	10 ¹⁶	10 ¹⁸	-	-	2-14 x 10 ¹⁵	> 10 ¹⁶	10 ¹⁵	10 ¹⁵
Thermal Properties									
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	-	30-60	-	-	70-77	117	80-120	122
Heat-deflection temperature - 0.45MPa	C	-	-	-	-	105	100	160	170
Heat-deflection temperature - 1.8MPa	C	-	360	85	55	95	40	110	135
Lower working temperature	C	-	-270	-	-	-40	-20 to -40	-40	-
Specific heat	J K ⁻¹ kg ⁻¹	1400	1090	-	-	1400 - 1500	2000	1500	1500
Thermal conductivity	W m ⁻¹ K ⁻¹	0.15 @23C	0.10-0.35 @23C	-	-	0.17-0.19 @23C	0.17 @23C	0.23-0.3 @23C	0.22-0.24 @23C
Upper working temperature	C	-	250-320	-	-	50 to 90	75-115	80-120	80-120
Mechanical Properties									
Abrasive resistance - ASTM D1044	mg/1000 cycles	-	-	-	-	-	-	-	-
Coefficient of friction		-	0.42	0.52	-	-	-	-	0.2 - 0.35
Compression set after 24 hr at 175C	%	-	-	-	-	-	-	-	-
Compressive modulus	GPa	-	-	-	-	-	-	-	-
Compressive strength	MPa	-	-	-	-	-	-	-	-
Elongation at break	%	35	8-70	> 300	6	2.5-4	15	15 - 40	40 - 75
Hardness - Rockwell		-	E52-99	-	-	M92-100	R85	M80	M94
Izod impact strength	J m ⁻¹	200	80	-	16	16-32	49	70-80	75 - 130
Poisson's ratio		-	-	-	-	0.35 - 0.4	-	0.35	0.35
Tear strength	N mm ⁻¹	-	-	-	-	-	-	-	-
Tensile modulus	GPa	0.5	2.0-3.0	1.4	3.5	2.4-3.3	1.5	2.3 - 2.8	2.9 - 3.1
Tensile strength	MPa	23	70-150	60	53	80	25.5	60-70	70
Chemical Resistance									
Acids - concentrated		-	Poor	-	-	Good-Poor	Good-Fair	Poor	Poor
Acids - dilute		Fair	Fair	-	-	Good-Poor	Good	Good-Fair	Poor - Fair
Alcohols		Fair	Poor	-	-	Good-Poor	Good	Good-Fair	Good-Fair
Alkalis		Poor	Poor	-	-	Good	Good	Good	Poor
Aromatic hydrocarbons		-	Good	-	-	Poor	Fair-Poor	Good	Good
Greases and Oils		Good	Good	-	-	Good	Good-Fair	Good	Good
Halogenated Hydrocarbons		-	Good	-	-	Poor	Fair-Poor	Good-Poor	Good-Poor(?)
Halogens		-	Fair	-	-	Poor	Fair-Poor	Poor	Poor
Ketones		-	Good	-	-	Poor	Good-Fair	Good - Fair	Good - Fair

POLYMER DATA TABLE

		Polyoxymethylene Homopolymer 20% PTFE Fiber Filled	Polyoxymethylene Homopolymer 25% Glass Fiber Filled	Polyoxymethylene/Acetal Copolymer - 10% Carbon Fiber Reinforced	Polyphenylene-oxide modified PPO PPE	Polyphenylene-oxide (modified) PPO 30% GFR	Polyphenylenesulfide	Polyphenylenesulfide - 20% Carbon Fiber Reinforced	Polyphenylenesulfide 40% Glass Fiber Reinforced PPS - 40% GFR
Physical Properties									
Abbe number		-	-	-	-	-	-	-	-
Density	g cm ⁻³	1.53	1.60	1.43	1.06	1.29	1.35	1.41	1.66
Flammability		HB	HB	HB	HB	HB	V0	V-0	V0
Limiting oxygen index	%	-	-	-	20	26	-	-	46
Optical transmission	%	-	-	-	-	-	-	-	-
Radiation resistance		Poor	Poor	-	Good	-	-	-	Good
Refractive index		-	-	-	-	-	-	-	-
Resistance to Ultra-violet		Poor	Poor	-	-	-	-	-	Good
Water absorption	%	-	-	-	-	-	-	-	-
Water absorption - equilibrium	%	0.2	0.17	-	-	-	-	-	-
Water absorption - over 24 hours	%	1.0	1.3	< 0.1	0.1-0.5	0.06-0.33	0.02	< 0.05	< 0.05
Electrical Properties									
Dielectric constant @1kHz		-	-	-	-	-	-	-	-
Dielectric constant @1MHz		-	-	-	2.7	3.1	-	-	3.8 - 4.2
Dielectric strength	kV mm ⁻¹	-	-	-	16-20	15	-	-	18
Dissipation factor @ 1kHz		-	-	-	0.004	0.01	-	-	-
Dissipation factor @ 1MHz		-	-	-	-	-	-	-	0.0013-0.004
Surface resistivity	Ohm/sq	10 ¹⁴	-	10 ³	2x10 ¹⁶	-	1x10 ¹⁶	10 ³	10 ¹⁶
Volume resistivity	Ohmcm	-	10 ¹³	10 ⁴	10 ¹⁷	10 ¹⁷	1x10 ¹³	10 ³	10 ¹⁶
Thermal Properties									
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	100-110	35-100	60	60	25-30	4.0	15	22-35
Heat-deflection temperature - 0.45MPa	C	160	176	-	137	165	-	-	> 260
Heat-deflection temperature - 1.8MPa	C	92	172	-	125	135	104	260	240
Lower working temperature	C	-	-	-	-40	-	-	-	-
Specific heat	J K ⁻¹ kg ⁻¹	-	-	-	-	-	-	-	-
Thermal conductivity	W m ⁻¹ K ⁻¹	-	-	0.4	0.22 @23C	0.28 @23C	23/	0.47	0.29-0.45 @23C
Upper working temperature	C	-	-	100	80-120	90-160	170	220	200-260
Mechanical Properties									
Abrasive resistance - ASTM D1044	mg/1000 cycles	-	-	-	20	35	-	-	-
Coefficient of friction		-	-	-	0.35	-	-	-	-
Compression set after 24 hr at 175C	%	-	-	-	-	-	-	-	-
Compressive modulus	GPa	-	-	-	-	-	-	-	-
Compressive strength	MPa	-	-	-	-	-	-	-	-
Elongation at break	%	10	3.0	1.2	50	2-3	-	2	1.2
Hardness - Rockwell		-	-	-	M78/R115	L108	-	-	R123
Izod impact strength	J m ⁻¹	3000	8000	59	200	80	-	53	75-80
Poisson's ratio		-	-	-	0.38	0.27	-	-	-
Tear strength	N mm ⁻¹	-	-	-	-	-	-	-	-
Tensile modulus	GPa	2.8	9.5	8	2.5	8-9	-	17	7.6-12.0
Tensile strength	MPa	50	145	70	55-65	100-120	-	180	124-160
Chemical Resistance									
Acids - concentrated		Poor	Poor	Poor	Good-Fair	Good-Fair	Poor	Fair	Good-Poor
Acids - dilute		Poor-Fair	Poor-Fair	Poor-Good	Good	Good	Fair	Good	Good
Alcohols		Good-Fair	Good-Fair	Good	Good	Good	-	Good	Good
Alkalies		Poor	Poor	Fair-Good	Good	Good	-	Good	Good
Aromatic hydrocarbons		Good	Good	Good	Poor	Poor	-	Good	Good
Greases and Oils		Good	Good	Good	Good-Poor	Good-Poor	-	Good	Good
Halogenated Hydrocarbons		Good-Poor	Good-Poor(?)	-	Fair-Poor	Fair-Poor	-	-	Good-Poor
Halogens		Poor	Poor	Poor	Poor	Poor	-	Fair	Good-Poor
Ketones		Good-Fair	Good-Fair	Good-Fair	Poor	Poor	-	Good	Good

POLYMER DATA TABLE

		Polyphenyl-sulfone	Polyphthalamide 35% glass fiber filled	Polyphthalamide 50% glass fiber filled	Polypropylene PP	Polystyrene PS	Polystyrene Conductive High Impact Conductive Polystyrene	Polystyrene Cross-linked	Polysulfone
Physical Properties									
Abbe number		-	-	-	-	30.8	-	-	-
Density	g cm ⁻³	1.29	1.47	1.59	0.9	1.05	1.04	1.05	1.24
Flammability		V-0	HB	HB	HB	HB	-	HB	HB
Limiting oxygen index	%	44	24	27	18	19	-	-	30
Optical transmission	%	-	-	-	-	-	-	-	-
Radiation resistance		-	Fair	Fair	Fair	Good	-	Good	Good
Refractive index		-	-	-	1.49	1.59-1.60	-	1.59	-
Resistance to Ultra-violet		-	Poor	Poor	Poor	Poor	-	-	Poor
Water absorption	%	1.2	-	-	-	-	-	-	0.40
Water absorption - equilibrium	%	0.6	-	-	0.03	-	-	-	0.85
Water absorption - over 24 hours	%	0.35	-	-	-	< 0.4	-	0.02-0.03	-
Electrical Properties									
Dielectric constant @1kHz		3.45	-	-	-	-	-	-	3.14
Dielectric constant @1MHz		-	-	-	2.2-2.6	2.4-3.1	-	2.5	3.10
Dielectric strength	kV mm ⁻¹	14.1	36	-	30-40	20	-	27-47	17
Dissipation factor @ 1kHz		0.0009	-	-	-	0.0002	-	-	0.0013
Dissipation factor @ 1MHz		0.005	120	-	0.0003 - 0.0005	-	-	0.0002	0.0050
Surface resistivity	Ohm/sq	> 10 ¹³	10 ¹³	-	10 ¹³	-	10 ² -10 ⁷	> 10 ¹⁵	-
Volume resistivity	Ohmcm	> 10 ¹⁴	10 ¹²	10 ¹⁴	10 ¹⁶ -10 ¹⁸	> 10 ¹⁶	10 ² -10 ⁷	> 10 ¹⁵	5x10 ¹⁶
Thermal Properties									
Coefficient of thermal expansion	×10 ⁻⁶ K ⁻¹	55	18-55	14-55	100-180	30-210	4.5	70-90	56
Heat-deflection temperature - 0.45MPa	C	210	284	-	100-105	90	-	-	-
Heat-deflection temperature - 1.8MPa	C	200	264	236	60-65	80	85	-	174
Lower working temperature	C	-	-	-	-10 to -60	-	-	-	-
Specific heat	J K ⁻¹ kg ⁻¹	-	1860	-	1700 - 1900	1200	-	-	-
Thermal conductivity	W m ⁻¹ K ⁻¹	0.35	0.25	-	0.1-0.22 @23C	0.1-0.13 @23C	-	0.17 @23C	0.26
Upper working temperature	C	180-210	100-220	80-200	90-120	50-95	-	93	150-180
Mechanical Properties									
Abrasive resistance - ASTM D1044	mg/1000 cycles	-	-	-	13-16	-	-	60-100	-
Coefficient of friction		-	-	-	0.1-0.3	-	-	-	-
Compression set after 24 hr at 175C	%	-	-	-	-	-	-	-	-
Compressive modulus	GPa	1.7	-	-	-	-	-	-	-
Compressive strength	MPa	99	265	-	-	-	-	-	-
Elongation at break	%	30	2.2-2.4	2.8-3.1	150-300, for biax film > 50	1.6	36	3-5	50-100
Hardness - Rockwell		M80/R122	-	-	R80-100	M60-90	-	R110-120	M91
Izod impact strength	J m ⁻¹	700	11000	15000	20-100	19-24	no break	-	69
Poisson's ratio		-	-	-	-	0.35	-	-	-
Tear strength	N mm ⁻¹	-	-	-	-	-	-	-	-
Tensile modulus	GPa	2.5	12	16.3-16.5	0.9-1.5, for biax film 2.2-4.2,	2.3-4.1	1.6	1.65	2.48
Tensile strength	MPa	76	210-220	215-250	25-40, for biax film 130-300,	30-100	27	55-70	70
Chemical Resistance									
Acids - concentrated		-	Poor	Poor	Good-Fair	Fair-Poor	-	Fair-Poor	Fair
Acids - dilute		-	Poor	Poor	Good-Fair	Good-Fair	-	Good(-Fair?)	Good
Alcohols		-	Good	Good	Good	Good-Fair	-	Good(-Fair?)	Good
Alkalis		-	Good-Fair	Good-Fair	Good	Good-Fair	-	Good-Fair	Good
Aromatic hydrocarbons		-	Good	Good	Fair	Poor	-	Poor	Fair
Greases and Oils		-	Good	Good	Good-Fair	Good-Poor	-	Fair-Poor	Good
Halogenated Hydrocarbons		-	Good-Poor	Good-Poor	Good-Poor	Poor	-	Poor	-
Halogens		-	Poor	Poor	Poor	Poor	-	Poor	Good
Ketones		-	Good-Poor	Good-poor	Good	Poor	-	Poor	Poor

POLYMER DATA TABLE

		Poly-tetra-fluoro-ethylene PTFE	Poly-tetra-fluoro-ethylene coated Glass Fabric PTFE 75	Polytetra-fluoro-ethylene filled with Glass PTFE 75	Polyurethane	Poly-vinyl-chloride Unplasticised UPVC	Polyvinyl-fluoride	Poly-vinyl-chloride PVDC	Poly-vinyl-idene-fluoride PVDF
Physical Properties									
Abbe number		-	-	-	-	-	-	-	-
Density	g cm ⁻³	2.2	2.08	2.25	1.2	1.4	1.37-1.39	1.63	1.76
Flammability		V0	-	V0	-	V0	V0	-	V0
Limiting oxygen index	%	95	-	95	-	42	35	60	44
Optical transmission	%	-	-	-	-	-	-	-	-
Radiation resistance		Poor	-	-	-	Fair	-	Fair	Fair
Refractive index		1.38	-	-	-	1.54	1.46	-	1.42
Resistance to Ultra-violet		Excellent	-	Good	-	Good	Excellent	Poor	Excellent
Water absorption	%	-	-	-	0.1	-	-	-	-
Water absorption - equilibrium	%	-	-	-	-	-	-	-	-
Water absorption - over 24 hours	%	0.01	-	0.15	-	0.03-0.4	0.05	0.1	0.04
Electrical Properties									
Dielectric constant @1kHz		-	-	-	-	-	8	-	-
Dielectric constant @1MHz		2.0-2.1	-	2.2-2.35	-	2.7-3.1	-	3.0-6.0	8.4
Dielectric strength	kV mm ⁻¹	50-170	-	40	7.6	14	20	-	13
Dissipation factor @ 1kHz		-	-	0.003	-	0.025	0.04	-	0.06
Dissipation factor @ 1MHz		0.0003 - 0.0007	-	-	0.02	-	-	-	-
Surface resistivity	Ohm/sq	10 ¹⁷	> 10 ¹³	10 ¹⁵	-	-	-	10 ¹² -10 ¹³	10 ¹³
Volume resistivity	Ohmcm	10 ¹⁸ -10 ¹⁹	> 10 ¹⁵	10 ¹⁶	-	10 ¹⁶	10 ¹³	10 ¹² -10 ¹⁶	10 ¹⁴
Thermal Properties									
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	100-160	-	75-100	-	75-100	50-97	190	80-140
Heat-deflection temperature - 0.45MPa	C	120	-	-	-	70	120	-	120-150
Heat-deflection temperature - 1.8MPa	C	54	-	-	-	67	80	-	80-115
Lower working temperature	C	-260	-190 to -60	-	-	-30	-70	-	-40
Specific heat	J K ⁻¹ kg ⁻¹	1000	-	-	-	1000-1500	1000 - 1800	-	-
Thermal conductivity	W m ⁻¹ K ⁻¹	0.25 @23C	-	0.33-0.42 @23C	-	0.12-0.25 @23C	-	0.13 @23C	0.1-0.25 @23C
Upper working temperature	C	180-260	260	260	-	50-75	150 - 200	80-100	135-150
Mechanical Properties									
Abrasive resistance - ASTM D1044	mg/1000 cycles	-	-	-	-	-	-	-	24
Coefficient of friction		0.05-0.2	-	0.08-0.10	-	-	-	0.24	0.2-0.4
Compression set after 24 hr at 175C	%	-	-	-	-	-	-	-	-
Compressive modulus	GPa	-	-	-	-	-	-	-	-
Compressive strength	MPa	-	-	-	69	-	-	-	-
Elongation at break	%	400	< 8	100-300	-	60	90-250	-	50
Hardness - Rockwell		D50-55 - Shore	-	D60-70 - Shore	-	R106-120	D80 - Shore	R98-106	R77-83
Izod impact strength	J m ⁻¹	160	-	144	69.4	20-1000	180	16-53	120-320
Poisson's ratio		0.46	-	-	-	-	0.4	-	0.34
Tear strength	N mm ⁻¹	-	-	-	-	-	130-200 (initial)	-	-
Tensile modulus	GPa	0.3-0.8	-	1.7	-	2.5-4.0	2.1 - 2.6	0.3-0.55	1.0-3.0
Tensile strength	MPa	10-40	> 102	7-20	-	25-70	55-110	25-110	25-60
Chemical Resistance									
Acids - concentrated		Good	Poor	Poor	Fair	Good-Poor	-	Good-Fair	Good
Acids - dilute		Good	Good	Good	Good	Good	-	Good	Good
Alcohols		Good	Good	Good	-	Good	-	Good	Good
Alkalis		Good	Good-Fair	Good-Fair	Good	Good	-	Good	Fair
Aromatic hydrocarbons		Good	Good	Good	-	Poor	-	Fair	Good
Greases and Oils		Good	Good	Good	-	Good	-	Good	Good
Halogenated Hydrocarbons		Good	Good	Good	-	Fair-Poor	-	-	Good-Fair
Halogens		Good	Fair	Good	-	Fair	-	-	Good-Poor
Ketones		Good	Good	Good	-	Poor	-	Fair	-

POLYMER DATA TABLE

		Silicone Elastomer	Tetrafluoro- ethylene- perfluoro(alk- oxy vinyl ether) - Copolymer	Vectra® A - 15% Glass Fiber Reinforced	Vectra® A - 30% Glass Fiber Reinforced	Vectra A® Liquid Crystal Polyester	Vectra® B - 30% Glass Fiber Reinforced	Vectra B® Liquid Crystal Polyester/ amide copolymer	Vectra® MT1300 - Liquid Crystalline Polyester
Physical Properties									
Abbe number		-	-	-	-	-	-	-	-
Density	g cm ⁻³	1.1 - 1.5	2.15	1.50	1.62	1.40	1.60	1.40	1.4
Flammability		-	V0	V-0	UL94 V-0	V0 @ 0.8mm	V-0	V0 @ 0.4mm	-
Limiting oxygen index	%	-	> 95%	-	45	35	50	50	-
Optical transmission	%	-	-	-	-	-	-	-	-
Radiation resistance		Poor	-	Good	Good	Good	Good	Good	-
Refractive index		-	1.35	-	-	-	-	-	-
Resistance to Ultra-violet		-	-	Good	Good	Good	Good	Good	-
Water absorption	%	-	< 0.03	-	-	-	-	-	0.03
Water absorption - equilibrium	%	-	-	-	0.04	0.03	0.08	0.1	-
Water absorption - over 24 hours	%	-	-	-	0.005	0.02	0.009	0.03	-
Electrical Properties									
Dielectric constant @1kHz		-	2.05-2.06	-	-	-	-	-	-
Dielectric constant @1MHz		-	2.05-2.06	3.0	4.1	3.0	3.5	3.1	2.7
Dielectric strength	kV mm ⁻¹	-	-	34	-	47 @ 1.5mm	38	37 @ 1.5mm	36.0
Dissipation factor @ 1kHz		-	0.0001-0.0002	-	-	-	-	-	-
Dissipation factor @ 1MHz		-	0.0008	0.018	0.018	0.02	0.008	0.01	0.016
Surface resistivity	Ohm/sq	-	-	10 ¹³	> 10 ¹⁵	4x10 ¹³	> 10 ¹⁵	-	10 ¹⁵
Volume resistivity	Ohmcm	10 ¹⁸ -10 ²⁰	-	> 10 ¹⁵	10 ¹³	10 ¹⁶	10 ¹³	10 ¹⁶	10 ¹²
Thermal Properties									
Coefficient of thermal expansion	×10 ⁻⁶ K ⁻¹	250-300	76-78	5-18	3-10	-5 to +75	3-13	-5 to +40	4
Heat-deflection temperature - 0.45MPa	C	-	63-80	-	250	220	-	-	94
Heat-deflection temperature - 1.8MPa	C	-	48-50	230	235	180	235	200	187
Lower working temperature	C	-70 to -50	-	-	-	approx. -200	-	-	-
Specific heat	J K ⁻¹ kg ⁻¹	1300 - 1500	-	-	-	1000	1626	1000	-
Thermal conductivity	W m ⁻¹ K ⁻¹	0.22 @23C	0.19	3.0-3.3	-	0.18 @23C	-	0.18 @23C	-
Upper working temperature	C	200-260	260	200-220	200-220	200-220	200-220	-	-
Mechanical Properties									
Abrasive resistance - ASTM D1044	mg/1000 cycles	-	-	-	-	56	-	-	-
Coefficient of friction		-	-	-	-	0.12-0.14	-	-	-
Compression set after 24 hr at 175C	%	-	-	-	-	-	-	-	-
Compressive modulus	GPa	-	-	10	-	-	21.5	-	-
Compressive strength	MPa	-	-	85	-	70	150	84	-
Elongation at break	%	200-800	300	3.1	1.1	3	1.0	1.3	3.4
Hardness - Rockwell		60 degrees Shore A	-	M80	M93	M60	M100	M100	-
Izod impact strength	J m ⁻¹	-	-	-	-	520	-	415	252
Poisson's ratio		-	-	-	-	-	-	-	-
Tear strength	N mm ⁻¹	-	-	-	-	-	-	-	-
Tensile modulus	GPa	-	-	12	22	2-10	22	2.5-20	-
Tensile strength	MPa	6.5	25	200	160	55-165	205	87-188	-
Chemical Resistance									
Acids - concentrated		Good-Poor	Excellent	Fair	-	Good-Poor	Fair	Good-Poor	-
Acids - dilute		Good-Poor	Excellent	Good	Good	Good	Good	Good	-
Alcohols		Good-Fair	Excellent	Good	Good	Good	Good	Good	-
Alkalis		Good-Fair	Excellent	Fair	Fair	Good-Fair	Fair	Fair	-
Aromatic hydrocarbons		Poor	Excellent	Good	Good	Good	Good	Good	-
Greases and Oils		Good-Poor	Excellent	Good	Good	Good	Good	Good	-
Halogenated Hydrocarbons		Poor	-	-	-	Good(?)	-	-	-
Halogens		Poor	Excellent	-	-	Good	-	-	-
Ketones		Poor	Excellent	Good	Good	Good	Good	Good	-

POLYMER DATA TABLE

		Vectra® A - 25% PTFE Fiber Filled
Physical Properties		
Abbe number		-
Density	g cm ⁻³	1.5
Flammability		V0
Limiting oxygen index	%	-
Optical transmission	%	-
Radiation resistance		-
Refractive index		-
Resistance to Ultra-violet		-
Water absorption	%	-
Water absorption - equilibrium	%	-
Water absorption - over 24 hours	%	-
Electrical Properties		
Dielectric constant @1kHz		-
Dielectric constant @1MHz		2.7
Dielectric strength	kV mm ⁻¹	36.0
Dissipation factor @ 1kHz		-
Dissipation factor @ 1MHz		0.016
Surface resistivity	Ohm/sq	10 ¹⁵
Volume resistivity	Ohmcm	10 ¹²
Thermal Properties		
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	1.00
Heat-deflection temperature - 0.45MPa	C	227
Heat-deflection temperature - 1.8MPa	C	165
Lower working temperature	C	-
Specific heat	J K ⁻¹ kg ⁻¹	-
Thermal conductivity	W m ⁻¹ K ⁻¹	-
Upper working temperature	C	-
Mechanical Properties		
Abrasive resistance - ASTM D1044	mg/1000 cycles	-
Coefficient of friction		-
Compression set after 24 hr at 175C	%	-
Compressive modulus	GPa	6.00
Compressive strength	MPa	38.0
Elongation at break	%	6
Hardness - Rockwell		M55
Izod impact strength	J m ⁻¹	67
Poisson's ratio		-
Tear strength	N mm ⁻¹	-
Tensile modulus	GPa	7
Tensile strength	MPa	160
Chemical Resistance		
Acids - concentrated		-
Acids - dilute		-
Alcohols		-
Alkalies		-
Aromatic hydrocarbons		-
Greases and Oils		-
Halogenated Hydrocarbons		-
Halogens		-
Ketones		-

CERAMIC DATA TABLE

		Alumina Al ₂ O ₃	Alumina Al ₂ O ₃ 99.5%	Alumina/ Silica Al ₂ O ₃ 80 / SiO ₂ 20	Alumina/ Silica/ Boria Al ₂ O ₃ 70 / SiO ₂ 28	Alumina/ Silica/ Boria Al ₂ O ₃ 62 / SiO ₂ 24	Alumino- silicate Glass	Aluminum Nitride AlN
Physical Properties								
Apparent porosity	%	0	0	-	-	0	45	-
Density	g cm ⁻³	3.9	3.89	3.1	3.05	2.7	2.65	3.33
Refractive index		-	-	-	1.62	1.57	1.54	-
Transmission - Ultra-violet		-	-	-	-	-	-	-
Transmission - Visible light		-	-	-	-	-	-	-
Useful optical transmission range		-	-	-	-	-	-	500-3000nm
Water absorption - saturation	%	0	-	-	-	0	-	0
Electrical Properties								
Dielectric constant		9.0-10.1	-	-	5.7 @ 9.4GHz	5.2 @ 9.4GHz	-	9.2
Dielectric strength	kV mm ⁻¹	10-35	-	-	-	-	-	35
Volume resistivity	Ohmcm	> 10 ¹⁴ @25C	-	-	-	-	-	> 10 ¹³ @25C
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	8.0 @20-1000C	8.3 @20-1000C	-	5 @20-1000C	3 @20-1000C	5 @20-1000C	4.4 @20-1000C
Melting point	C	2100	-	-	-	-	-	2200
Specific heat	J K ⁻¹ kg ⁻¹	850-900 @25C	850 @25C	-	1000 @500C	1100 @25C	-	800 @25C
Sublimation point	C	-	-	-	1800	1800	-	2500
Thermal conductivity	W m ⁻¹ K ⁻¹	26-35 @20C	26.0 @20C	-	-	-	-	175 - 190 @20C
Upper continuous use temperature	C	1700	1800	1600	1350-1650	1200-1400	900	1000-1800
Mechanical Properties								
Compressive strength	MPa	2200-2600	300-3000	-	-	-	-	-
Fracture toughness	MPam(0.5)	-	-	-	-	-	-	-
Hardness - Knoop	kgf mm ⁻²	2100	-	-	-	-	-	-
Hardness - Vickers	kgf mm ⁻²	1500-1650	-	-	-	-	-	1100
Poisson's ratio		-	-	-	-	-	-	-
Shear strength	MPa	330	-	-	-	-	-	450
Tensile modulus	GPa	300-400	-	-	185	140	-	-
Tensile strength	MPa	-	-	-	-	-	-	-
Chemical Resistance								
Acids - concentrated		Good	-	-	Fair	Fair	Fair	Poor
Acids - dilute		Good	-	-	Good	Good	Good	Fair
Alkalies		Good	-	-	Poor-Fair	Poor-Fair	Good	Fair
Halogens		Good	-	-	-	-	-	-
Metals		Good	-	-	-	Good	-	Good

CERAMIC DATA TABLE

		Aluminum Nitride Shapal-M [®]	Aluminum Nitride - Machinable (BNP-2)	Beryllia BeO 99.5%	Boron Carbide B ₄ C	Boron Carbide Hot-pressed B ₄ C	Boron Nitride Hot-pressed BN	Leachable Ceramic SiO ₂ 50 / ZrSiO ₄ 40 / Al ₂ O ₃ 10
Physical Properties								
Apparent porosity	%	0	0	0	-	<3	2-15	25
Density	g cm ⁻³	2.95	2.90	2.86	2.52	2.45-2.52	1.9-2.2	2.1
Refractive index		-	-	-	-	-	-	-
Transmission - Ultra-violet		-	-	-	-	-	-	-
Transmission - Visible light		-	-	-	-	-	-	-
Useful optical transmission range		-	-	-	-	-	-	-
Water absorption - saturation	%	-	-	0.07	-	-	-	14
Electrical Properties								
Dielectric constant		7.3	7.1	6.5-7.5	-	-	4.3	-
Dielectric strength	kV mm ⁻¹	40	-	10-14	-	-	40-200	-
Volume resistivity	Ohmcm	1.8 x 10 ¹³ @25C	-	> 10 ¹⁴ @25C	-	0.1-10 @25C	10 ¹¹ -10 ¹⁴ @25C	-
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	5.2 @20-1000C	0.57 parallel	8.4-9.0 @20-1000C	-	5.6 @20-1000C	1.0-36 @20-1000C	1.98 @20-1000C
Melting point	C	-	-	-	2450	2450	-	-
Specific heat	J K ⁻¹ kg ⁻¹	-	-	1020-1120 @25C	-	950 @25C	800-2000 @25C	-
Sublimation point	C	-	-	-	-	-	2600-2800	-
Thermal conductivity	W m ⁻¹ K ⁻¹	100 @20C	92.6	260-300 @20C	-	30-90 @20C	15-50 @20C	-
Upper continuous use temperature	C	1000 - 1900	1020 (oxidising)	1800-1900	600-800	600-800	950-2500	1050
Mechanical Properties								
Compressive strength	MPa	1000	< 1070	1550-1850	200-300	1400-3400	30-120	-
Fracture toughness	MPam(0.5)	-	-	-	-	-	-	-
Hardness - Knoop	kgf mm ⁻²	-	3.42 - 4.91	-	-	2800-3500	-	-
Hardness - Vickers	kgf mm ⁻²	560	-	1100-1300	-	3200	-	-
Poisson's ratio		-	-	-	-	-	-	-
Shear strength	MPa	-	-	180-250	-	-	12-25	-
Tensile modulus	GPa	160	34.1 (parallel)	340-400	-	440-470	20-35	-
Tensile strength	MPa	-	-	-	-	-	-	-
Chemical Resistance								
Acids - concentrated		-	-	Poor	-	Fair	Fair	Fair
Acids - dilute		Fair	-	Fair	-	Good	Fair	Fair
Alkalis		Poor	-	Fair	-	Fair	Fair	Poor
Halogens		-	-	Fair	-	Fair	Poor	Fair
Metals		-	-	Good	-	Fair	Good	Good

CERAMIC DATA TABLE

		Magne- sium Oxide	Potassium Alumino- silicate Muscovite Mica	Quartz Fused SiO ₂ 99.9%	Ruby Al ₂ O ₃ 98.8/ Cr ₂ O ₃ 0.9/	Sapphire Al ₂ O ₃ 99.9%	Silicon Carbide SiC	Silicon Carbide Hot- pressed SiC
Physical Properties								
Apparent porosity	%	< 1%	-	0	0	0	-	0
Density	g cm ⁻³	3.40	2.6-3.2	2.2	3.98	3.985	3.2	3.15
Refractive index		-	1.5-1.6	1.46	-	1.71-1.79	-	-
Transmission - Ultra-violet		-	-	-	-	-	-	-
Transmission - Visible light		-	-	-	-	-	-	-
Useful optical transmission range		-	450-700nm	180-2500nm	150-5500nm	200-5500nm	-	-
Water absorption - saturation	%	-	Very Low	0	0	0	-	-
Electrical Properties								
Dielectric constant		-	6.0-6.6	3.8	7.5-11.5	7.5-11.5	-	40
Dielectric strength	kV mm ⁻¹	-	40-200	25-40	15-50	15-50	-	-
Volume resistivity	Ohmcm	-	10 ¹² @25C	10 ¹⁸ @25C	10 ¹⁴ @25C	> 10 ¹⁴ @25C	-	10 ³ -10 ⁵ @25C
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	-	9-36 @20-1000C	0.54 @20-1000C	5.8 @20-1000C	5.8 @20-1000C	-	4.5 @20-1000C
Melting point	C	-	-	1715	2050	2050	2650-2950	2650-2950
Specific heat	J K ⁻¹ kg ⁻¹	-	50 @25C	670-740 @25C	750 @25C	750 @25C	-	670-710 @25C
Sublimation point	C	-	-	-	-	-	-	-
Thermal conductivity	W m ⁻¹ K ⁻¹	-	0.5-7 @20C	1.46 @20C	35-40 @20C	35-40 @20C	-	90-160 @20C
Upper continuous use temperature	C	2200	500-600	1100-1400	1800-1950	1800-1950	-	1500-1650
Mechanical Properties								
Compressive strength	MPa	-	190-280	1100	2100	2100	-	1000-1700
Fracture toughness	MPam(0.5)	-	-	-	-	-	-	-
Hardness - Knoop	kgf mm ⁻²	-	-	820	2000	2000	-	-
Hardness - Vickers	kgf mm ⁻²	-	2-3	1000	2500-3000	1600-1800	2500	2400-2800
Poisson's ratio		-	-	-	-	-	-	-
Shear strength	MPa	-	215-265	70	-	-	-	210-380
Tensile modulus	GPa	-	-	72-74	350-390	350-390	-	200-500
Tensile strength	MPa	-	-	-	-	-	-	-
Chemical Resistance								
Acids - concentrated		-	Fair	Good	Good	Good	-	Good
Acids - dilute		-	Good	Good	Good	Good	-	Good
Alkalis		-	Good	Fair	Good	Good	-	Good-Poor
Halogens		-	-	Good	Good	Good	-	Good-Poor
Metals		Good	-	Fair	Good	Good	-	Fair

CERAMIC DATA TABLE

		Silicon Carbide Reaction Bonded SiC	Silicon Nitride Si ₃ N ₄	Silicon Nitride - Gas Pressure Sintered	Silicon Nitride Hot-pressed Si ₃ N ₄	Silicon Nitride Reaction Bonded Si ₃ N ₄	Silicon Nitride/Aluminum Nitride/Oxide Sialon [®]	Super-wool [®]
Physical Properties								
Apparent porosity	%	0	-	0	0	15-23	0.01	-
Density	g cm ⁻³	3.10	3.44	3.24	3.11	2.4	3.24	0.21
Refractive index		-	-	-	-	-	-	-
Transmission - Ultra-violet		-	-	-	-	-	-	-
Transmission - Visible light		-	-	-	-	-	-	-
Useful optical transmission range		-	-	-	-	-	-	-
Water absorption - saturation	%	-	-	-	-	-	-	-
Electrical Properties								
Dielectric constant		-	-	-	10	10	-	-
Dielectric strength	kV mm ⁻¹	-	-	-	-	-	-	-
Volume resistivity	Ohmcm	10 ² -10 ³ @25C	-	-	10 ¹² -10 ¹⁵ @25C	> 10 ⁷ @25C	10 ¹² -10 ¹⁷ @25C	-
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	4.3-4.6 @20-1000C	-	RT-1000	3.3 @20-1000C	3.3 @20-1000C	3.3-3.7 @20-1000C	-
Melting point	C	-	-	-	-	-	-	-
Specific heat	J K ⁻¹ kg ⁻¹	1100 @25C	-	-	680-800 @25C	690 @25C	620-710 @25C	-
Sublimation point	C	-	1900	-	1900	-	-	-
Thermal conductivity	W m ⁻¹ K ⁻¹	150-200 @20C	-	25	15-43 @20C	10-16 @20C	20 @20C	-
Upper continuous use temperature	C	1350	-	-	1100-1650	1200-1500	1000	-
Mechanical Properties								
Compressive strength	MPa	2000-3500	-	-	2000-3500	550-650	> 3500	-
Fracture toughness	MPam(0.5)	-	-	7.0	-	-	-	-
Hardness - Knoop	kgf mm ⁻²	-	-	-	-	-	-	-
Hardness - Vickers	kgf mm ⁻²	2500-3500	-	1450	1700-2200	800-1000	1650-1800	-
Poisson's ratio		-	-	-	-	-	-	-
Shear strength	MPa	-	-	-	480-960	190-240	-	-
Tensile modulus	GPa	410	-	-	280-310	170-220	280-300	-
Tensile strength	MPa	-	-	-	-	-	-	-
Chemical Resistance								
Acids - concentrated		Good	-	-	Fair	Fair	Good	-
Acids - dilute		Good	-	-	Good	Good	Good	-
Alkalis		Fair	-	-	Good-Poor	Fair	Fair	-
Halogens		Fair	-	-	Good	Good	-	-
Metals		Fair	-	-	Fair	Fair	-	-

CERAMIC DATA TABLE

		Titanium Diboride TiB ₂	Titanium Dioxide TiO ₂ 99.6%	Tungsten Carbide/ Cobalt WC 94/ Co 6	Silica SiO ₂ 96%	Yttrium Oxide Y ₂ O ₃	Zirconia stabilized with Magnesia ZrO ₂ / MgO	Zirconia stabilized with Yttria ZrO ₂ / Y ₂ O ₃
Physical Properties								
Apparent porosity	%	-	0	-	0	-	0	-
Density	g cm ⁻³	4.5	4.05	14.95	2.18	5.03	5.74	5.9
Refractive index		-	-	-	1.46	-	-	-
Transmission - Ultra-violet		-	-	-	-	-	-	-
Transmission - Visible light		-	-	-	-	-	-	-
Useful optical transmission range		-	-	-	365-2500nm	-	-	-
Water absorption - saturation	%	-	-	-	0	-	0	-
Electrical Properties								
Dielectric constant		-	80-100	-	3.8	-	-	-
Dielectric strength	kV mm ⁻¹	-	-	-	-	-	-	-
Volume resistivity	Ohmcm	15 @25C	10 ¹³ -10 ¹⁸ @25C	2x10 ⁻⁶ @25C	10 ¹⁴ @25C	-	-	-
Thermal Properties								
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	6-7 @20-1000C	8-10 @20-1000C	4.6-5.0 @20-1000C	0.5-0.75 @20-1000C	8.1 @20-1000C	5-10 @20-1000C	10 @20-1000C
Melting point	C	3000	1850	-	1715	2400	-	2700
Specific heat	J K ⁻¹ kg ⁻¹	-	-	200-480 @25C	750 @25C	-	400-500 @25C	400-500 @25C
Sublimation point	C	-	-	-	-	-	-	-
Thermal conductivity	W m ⁻¹ K ⁻¹	50-70 @20C	2.5-5.0 @20C	60-80 @20C	1.2-1.4 @20C	8-12 @20C	1.5-2.5 @20C	2.5 @20C
Upper continuous use temperature	C	1000-2000	-	-	900-1200	-	1000	2200
Mechanical Properties								
Compressive strength	MPa	-	800-1000	5300-7000	-	-	1500-2000	2000
Fracture toughness	MPam(0.5)	-	-	-	-	-	-	-
Hardness - Knoop	kgf mm ⁻²	-	-	-	-	-	-	-
Hardness - Vickers	kgf mm ⁻²	3000	980	1550	490	-	1200	1250
Poisson's ratio		0.18-0.20	-	-	-	-	-	-
Shear strength	MPa	300-600	-	-	-	-	414	-
Tensile modulus	GPa	520-570	250-300	600	65-75	-	200	200
Tensile strength	MPa	-	-	-	-	-	-	-
Chemical Resistance								
Acids - concentrated		Fair	Fair	-	Good	-	Fair	-
Acids - dilute		Good	Good	-	Good	-	Good	-
Alkalis		Fair	Poor	-	Fair	-	Good-Poor	-
Halogens		Good	-	-	Good	-	Fair	-
Metals		Good	Poor	-	Fair	-	Good-Fair	-

CERAMIC DATA TABLE

		Zirconia unstabi- lized ZrO ₂ 99%
Physical Properties		
Apparent porosity	%	-
Density	g cm ⁻³	6.1
Refractive index		-
Transmission - Ultra-violet		-
Transmission - Visible light		-
Useful optical transmission range		-
Water absorption - saturation	%	-
Electrical Properties		
Dielectric constant		-
Dielectric strength	kV mm ⁻¹	-
Volume resistivity	Ohmcm	-
Thermal Properties		
Coefficient of thermal expansion	x10 ⁻⁶ K ⁻¹	-
Melting point	C	2650
Specific heat	J K ⁻¹ kg ⁻¹	-
Sublimation point	C	-
Thermal conductivity	W m ⁻¹ K ⁻¹	-
Upper continuous use temperature	C	2200
Mechanical Properties		
Compressive strength	MPa	-
Fracture toughness	MPam(0.5)	-
Hardness - Knoop	kgf mm ⁻²	-
Hardness - Vickers	kgf mm ⁻²	-
Poisson's ratio		-
Shear strength	MPa	-
Tensile modulus	GPa	-
Tensile strength	MPa	-
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