

Category	Description	Purity	Formula	Form	Dimension
Aluminates					
	Lanthanum aluminate	99.9	LaAlO ₃	Granules, (vac. sintered)	3-6 mm
Antimonides					
	Bismuth antimonide	99	BiSb	Pieces, (vac. melted)	3-6 mm
	Cadmium antimonide	99.999	CdSb	Granules	3-6 mm
	Germanium antimonide	99.999	GeSb	Granules (vac. melted)	3-6 mm
	Iron antimonide	99.9	FeSb ₂	Granules,	3-6 mm
	Zinc antimonide	99.999	ZnSb	Granules	3-6 mm
Arsenides					
	Antimony arsenide	99.999	Sb ₃ As	Granules	3-6 mm
	Barium arsenide	99.5	Ba ₃ As ₂	Granules	3-6 mm
	Cadmium arsenide	99.999	Cd ₃ As ₂	Granules	3-6 mm
	Cadmium arsenide	99.999	CdAs ₂	Granules	3-6 mm
	Cobalt arsenide	99.995	CoAs	Granules	3-6 mm
	Iron arsenide	99.9	FeAs ₂	Granules	3-6 mm
	Zinc arsenide	99.9	ZnAs ₂	Granules	3-6 mm
Borides					
	Lanthanum boride	99.5	LaB ₆	Chunks, (vac. sintered)	6-12 mm pcs
Carbides					
	Silicon carbide	99.5	SiC	Granules	2-3 mm
	Tantalum carbide	99.5	TaC	Granules	1-4 mm
Fluorides					
	Aluminum fluoride	99.99	AlF ₃	Granules, (pressure sintered)	3-6 mm
	Barium fluoride (DFM)	99.995	BaF ₂	Pieces, (translucent)	1-4 mm
	Calcium fluoride	99.9999	CaF ₂	Blank, (mono.crystal)	2 inch dia x 0.125 inch th.
	Dysprosium fluoride (DFM)	99.998	DyF ₃	Granules, (drip melted)	3-6 mm
	Erbium fluoride (DFM)	99.995	ErF ₃	Granules, (Vac. melted)	3-12 mm pcs
	Europium fluoride (DFM)	99.99	EuF ₃	Pellets, (vac. melted)	8~10 mm
	Gadolinium fluoride	99.995	GdF ₃	Granules, (vac.sintered)	1-4 mm

	Holmium fluoride (DFM)	99.995	HoF3	Pieces (drip melted)	3-6 mm
	Lanthanum fluoride (DFM)	99.995	LaF3	Granules, (vac. sintered)	3-6 mm
	Lead fluoride	99.99	PbF2	Granules, (drip melted)	3-12 mm
	Lithium fluoride	99.995	LiF	Pieces, (vac. sintered)	3-8 mm
	Magnesium fluoride (DFM)	99.995	MgF2	Spherical balls	5 mm
	Magnesium:cerium fluoride	99.995	MgF2:CeF3	Pieces, (drip melted)	1-4 mm
	Magnesium:neodymium fluoride	99.99	MgF2:NdF3	Pellets, (drip melted)	10 mm x 10 mm
	Magnesium:neodymium fluoride (DFM)	99.995	MgF2:NdF3	Granules, (drip melted)	3-6 mm
	Neodymium fluoride (DFM)	99.995	NdF3	Pellets, (drip melted)	3-6 mm
	Niobium fluoride	99.99	NbF5	Granules	1-4 mm
	Scandium fluoride	99.99	ScF3	Pellets, (vac. sintered)	10 mm dia x 10 mm th.
	Silver fluoride (DFM)	99.99	AgF	Flakes (vac. melted)	3-6 mm
	Sodium fluoride	99.95	NaF	Granules, pressure sintered	3-6 mm pcs
	Strontium fluoride (DFM)	99.99	SrF2	Pieces, (drip melted)	8~10 mm
	Terbium fluoride	99.995 (REO)	TbF3	Granules	6-12 mm
	Ytterbium fluoride (DFM)	99.99	YbF3	Granules, (drip melted)	3-6 mm
	Yttrium fluoride-IR (DFM)	99.995	YF3	Granules, (drip melted)	3-6 mm
	Yttrium fluoride-VUV (DFM)	99.998	YF3	Pellets, (drip melted)	10 mm x 10 mm
	Zirconium fluoride	99.95	ZrF4	Granules	1-4 mm
Niobates					
	Lithium niobate	99.99	LiNbO3	Pieces, (vac. sintered)	3-12 mm
Nitrates					
	Yttrium nitrate	99.9	Y(NO3)3.5H2O	Crystalline powder	-20 mesh
Nitrides					
	Aluminum nitride	99.9	AlN	Granules, (pressure sintered)	3-6 mm
	Boron nitride	99.5	BN	Granules (vac. sintered)	3-6 mm
	Hafnium nitride	99.5 (Zr<0.15%)	HfN	Granules (press. sintered)	1-4 mm
	Nickel nitride	99.5	NiN		2 inch dia x 0.125 inch th.
	Silicon nitride	99.9	Si3N4	Granules, press. sintered	3-6 mm
	Tantalum nitride	99.95	TaN	Granules, (vac. sintered)	3-12 mm
	Titanium nitride	99.5	TiN	Granules, (vac. sintered)	3-6 mm
Oxides					
	Barium Hafnium Oxide	100.00%	BaHfO3	Pieces	3-6 mm
	Boron oxide	99.995	B2O3	Granules	6-12 mm

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Chromium oxide	99.9	Cr2O3	Pieces (vac. sintered)	3-6 mm
Cobalt oxide	99.9	Co3O4	Granules	1-4 mm
Gadolinium oxide	99.99	Gd2O3	Granules	1-4 mm
Hafnium oxide	99.995 (Zr<0.25%)	HfO2	Granules, (vac. sintered), creamy white	1-4 mm
Hafnium oxide	99.99 (Zr<0.25%)	HfO2	Granules, (vac. sintered), dark gray	1-4 mm
Hafnium oxide	99.95	HfO2	Granules, (vac. sintered, black)	1-4 mm
Hafnium oxide	99.95	HfO2	Granules, (vac. sintered, white)	1-4 mm
Hafnium oxide	99.99	HfO2	Pellets	8 mm dia x 5 mm th.
Hafnium oxide:Lanthanide oxide	99.99 (Zr<0.1%)	HfO2:Ln2O3	Pieces, (vac. sintered)	1-4 mm
Hafnium oxide:Neodymium oxide [LPF-1]	99.995 (Zr<0.5%)	HfO2:Nd2O3	Pieces, sintered	1-4 mm
Hafnium oxide:Neodymium oxide [LPF-2]	99.995	HfO2:Nd2O3	Pieces, sintered	1-4 mm
Hafnium oxide:Scandium oxide	99.995	HfO2:Sc2O3	Granules, vac. sintered	1-4 mm
Hafnium oxide:Titanium dioxide [LPF-1]	99.95	HfO2:TiO2	Pellets, sintered, black	10 mm dia x 10 mm th.
Hafnium oxide:Titanium dioxide [LPF-2]	99.95	HfO2:TiO2	Pellets, sintered, black	10 mm dia x 10 mm th.
Hafnium oxide:yttrium oxide	99.95	HfO2:Y2O3	Pieces, (vac. sintered)	1-4 mm
Indium Gallium Zinc Oxide	99.99	InGaZnO	Granules	3-6 mm
Indium tin oxide, ITO (90:10)	99.99	In2O3.SnO2	Granules, sintered, greenish	1-4 mm
Iridium oxide	99.9	IrO2	Granules	3-6 mm
Iron oxide (black)	99.95	Fe3O4	Granules (vac. sintered)	1-4 mm
Lanthanum titanium oxide	99.95	LaTiOx	Granules (sintered)	1-4 mm
Magnesium oxide	99.99	MgO	Granules, (sintered)	3-6 mm
Molybdenum oxide	99.95	MoO3	Granules	3-6 mm
Molybdenum oxide	99.99	MoO3	Pellets	6 mm dia x 6 mm th.
Nickel oxide	99.99	NiO	Granules, (vac. sintered)	3-12 mm
Niobium pentoxide	99.995	Nb2O5	Pellets, sintered	10 mm dia x 10 mm th.
Praseodymium-titanium oxide	99.99	Pr6O11:TiO2	Pellets, (vac. sintered)	8 mm dia x 5 mm th.
Ruthenium oxide	99.95	RuO2	Granules, (sintered pcs)	3-12 mm
Samarium oxide	99.99	Sm2O3	Granules, (vac.sintered)	1-4 mm
Scandium oxide	99.998	Sc2O3	Granules, (vac, sintered)	3-6 mm
Silicon monoxide	99.99	SiO	Chunks, (amorphous, RCVD)	6-12 mm
Tantalum pentoxide	99.995	Ta2O5	Granules, vac. sintered, white	1-4 mm
Titania:silica compound (60:40)	99.95	TiO2:SiO2	Granules, (pressure sintered)	1-4 mm
Tungsten oxide	99.99	WO3	Granules, (vac. sintered)	1-4 mm
Tungsten oxide:molybdenum oxide	99.95	WO3:MoO3	Pellets, (vac.sintered)	10 mm dia x 10 mm th.

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	Tungsten oxide:vanadium oxide	99.9	WO3:V2O5	Pieces, sintered	3-6 mm
	Vanadium pentoxide	99.95	V2O5	Granules, sintered	3-6 mm
	Yttrium oxide	99.99	Y2O3	Granules, (vac. sintered) dark gray	1-4 mm
	Zinc oxide	99.995	ZnO	Granules	1-4 mm (vac.sintered)
	Zinc oxide-Alumina, AZO (98:2)	99.999	ZnO-Al2O3	Granules	3-6 mm
	Zirconium oxide	99.95	ZrO2	Granules, (vac.sintered), white	1-4 mm
Phophates					
	Rubidium phosphate	99.9	RbPO3	Powder, crystalline	1-4 mm
Plumbides					
	Magnesium plumbide	99.99	Mg2Pb	Granules	3-6 mm
Selenides					
	Cobalt selenide	99.9	CoSe	Pieces, melted	3-12 mm
	Copper Gallium Selenide	99.999	CuGaSe2	Granules	3-6 mm
	Copper indium selenide	99.999	CuInSe2	Granules, vac. melted	3- 6 mm
	Copper selenide	99.999	Cu2Se	Granules, (Vac. melted)	3-6 mm
	Copper selenide	99.999	CuSe	Granules, (Vac. melted)	3-6 mm
	Copper Titanium Selenide	99.999	CuTiSe2	Granules	3-6 mm
	Gallium selenide	99.99	Ga2Se3	Granules, vac. melted	3-12 mm
	Germanium selenide	99.999	GeSe	Pieces, (vac. melted)	3-6 mm
	Germanium selenide	99.999	GeSe2	Pieces, (vac. melted)	3-6 mm
	Indium selenide	99.999	In2Se3	Granules, vac. melted	3-6 mm
	Indium selenide	99.999	InSe	Granules, vac. melted	3-6 mm
	Silver Gallium Selenide	99.999	AgGaSe2	Granules	3-6 mm
	Silver Indium Selenide	99.999	AgInSe2	Granules	3-6 mm
	Silver Titanium Selenide	99.999	AgTiSe2	Granules	3-6 mm
Silicides					
	Europium silicide	99.5	EuSi2	Granules	3-6 mm
	Magnesium silicide	99.50%	Mg2Si	Granules	3-6 mm
	Yttrium silicide	99.99	YSi2	Granules	3-6 mm
Stannides					
	Magnesium stannide	99.99	Mg2Sn	Granules	3-6 mm
Sulfides					
	Copper Indium Sulfide	99.999	CuInS2	Granules	3-6 mm
	Germanium sulfide	99.999	GeS	Pieces, (vac. melted)	3-6 mm

	Germanium sulfide	99.999	GeS ₂	Pieces, (vac. melted)	3-6 mm
	Lead sulfide	99.999	PbS	Granules, crystalline	3-12 mm
	Mercury sulfide	99.999	HgS	Granules, (Vac. melted)	3-12 mm
	Mercury sulfide	99.999	HgSe	Granules, (vac. melted)	3-6 mm pcs
	Mercury Telluride	99.999	HgTe	Granules, (vac. melted)	3-12 mm pcs
	Silver Indium Sulfide	99.999	AgInS ₂	Granules	3-6 mm
	Zinc sulfide	99.995	ZnS	Chunks, (Rapid CVD)	variable fractions
Tellurides					
	Cadmium Zinc telluride	99.999	CdZnTe	Granules, (crystalline)	1-4 mm
	Copper Gallium Telluride	99.999	CuGaTe ₂	Granules	3-6 mm
	Copper Indium Telluride	99.999	CuInTe ₂	Granules	3-6 mm
	Copper telluride	99.99	Cu ₂ Te	Granules	3-6 mm
	Copper telluride	99.999	Cu ₂ Te	Granules	3-6 mm
	Copper Titanium Telluride	99.999	CuTiTe ₂	Granules	3-6 mm
	Germanium telluride	99.9999	GeTe	Pieces	3-6 mm
	Indium telluride	99.999	In ₂ Te ₃	Granules	3-6 mm
	Indium telluride	99.999	InTe	Granules	3-6 mm
	Silver Gallium Telluride	99.999	AgGaTe ₂	Granules	3-6 mm
	Silver Indium Telluride	99.999	AgInTe ₂	Granules	3-6 mm
	Silver Titanium Telluride	99.999	AgTiTe ₂	Granules	3-6 mm
	YBC-264 (DFM)	99.995	YBC	Pieces, (drip melted)	6-10 mm
	YBC-375	99.99	YBC	Granules, (vac. sintered)	1-4 mm
	YBC-375 (DFM)	99.995	YBC	Pieces, (drip melted)	3-6 mm
	YBC-904 (DFM)	99.995	YBC	Pellets, (drip melted)	3-12 mm
	YBC-905 (DFM)	99.995	YBC	Granules, (vac. Melted)	3-6 mm
	YBC-905	99.99	YBC	Granules, (vac.sintered)	1-4 mm
	YBC-907 (DFM)	99.99	YBC	Granules, (vac. sintered)	1-4 mm

In addition, the common sputtering targets listed below, we can have all sputtering targets custom made. Please include the name, formula, size, and purity on a request if you do not see the product that you are looking for.

AZO	Formula	Sizes Available	Purities Available
Zinc Oxide – Alumina (AZO)	ZnO-Al ₂ O ₃ (98:2)	1" diameter - 14" diameter x 0.125" thick - 0.25" thick	99.9% - 99.999%
Borides			
Chromium Diboride	CrB ₂	1" diameter - 14" diameter x 0.125" thick - 0.25" thick	99.5%
Lanthanum Hexaboride	LaB ₆	1" diameter - 14" diameter x 0.125" thick - 0.25" thick	99.5%
Titanium Boride	TiB ₂	1" diameter - 14" diameter x 0.125" thick - 0.25" thick	99.5 – 99.8%
Tungsten Boride	W ₂ B	1" diameter - 14" diameter x 0.125" thick - 0.25" thick	99.5%
Zirconium Boride	ZrB ₂	1" diameter - 14" diameter x 0.125" thick - 0.25" thick	99.5%
Carbides			
Boron Carbide	B ₄ C	1" diameter - 14" diameter x 0.125" thick - 0.25" thick	99.5-99.9%
Chromium Carbide	Cr ₃ C ₂	1" diameter - 14" diameter x 0.125" thick - 0.25" thick	99.5 – 99.95%
Iron Carbide	Fe ₃ C	1" diameter - 14" diameter x 0.125" thick - 0.25" thick	99.9%
Hafnium Carbide	HfC	1" diameter - 14" diameter x 0.125" thick - 0.25" thick	99.5 - 99.95%
Molybdenum Carbide	Mo ₂ C	1" diameter - 14" diameter x 0.125" thick - 0.25" thick	99.5 – 99.95%
Niobium Carbide	NbC	1" diameter - 14" diameter x 0.125" thick - 0.25" thick	99.5%
Nitrides			
Aluminum Nitride	AlN	1" diameter - 14" diameter x 0.125" thick - 0.25" thick	99.5 – 99.9%
Boron Nitride	BN	1" diameter - 14" diameter x 0.125" thick - 0.25" thick	99.5%
Chromium Nitride	Cr ₂ N	1" diameter - 14" diameter x 0.125" thick - 0.25" thick	99.5%
Hafnium Nitride	HfN	1" diameter - 14" diameter x 0.125" thick - 0.25" thick	99.5% (Zr <0.15%)
Niobium Nitride	NbN	1" diameter - 14" diameter x 0.125" thick - 0.25" thick	99.5%
Nickel Nitride	NiN	1" diameter - 14" diameter x 0.125" thick - 0.25" thick	99.5%
Silicon Nitride	Si ₃ N ₄	1" diameter - 14" diameter x 0.125" thick - 0.25" thick	99.5 – 99.9%
TiO₂			
Titanium Oxide (black or white)	TiO	1" diameter - 14" diameter x 0.125" thick - 0.25" thick	99.9 – 99.95%
Ta₂O₅			
Tantalum Pentoxide	Ta ₂ O ₅	1" diameter - 14" diameter x 0.125" thick - 0.25" thick	99.99 – 99.995%

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ZrO2			
Zirconium Oxide	ZrO2	1" diameter - 14" diameter x 0.125" thick - 0.25" thick	99.95-99.99%
In2O3			
Indium Oxide	In2O3	1" diameter - 14" diameter x 0.125" thick - 0.25" thick	99.99 – 99.995%
GIZO			
Gallium – Indium –Zinc Oxide (1:1:1 or 1.5:1:1 or 1:1:2)	Ga2O3 – In2O3 - ZnO	1" diameter - 14" diameter x 0.125" thick - 0.25" thick	99.99%
SnO2 / Sb2O3			
Tin Oxide – Antimony Oxide	SnO2 / Sb2O3	1" diameter - 14" diameter x 0.125" thick - 0.25" thick	99.99%
SnO			
Tin Monoxide (Stannous)	SnO (Black)	1" diameter - 14" diameter x 0.125" thick - 0.25" thick	99.99%