

CERAMIC

Structure Material/Electronics Ceramic

Carbides

Nitrides

Oxides

Sulfides

Wide band-Gap Semiconductor

Carbides

Product Name
Aluminum carbide, powder, -325 mesh
Boron carbide, powder, 10 µm
Boron carbide, powder, -200 mesh
Calcium carbide, ~80%, pieces, Technical Grade, thickness ca. 8 mm
Chromium carbide, -325 mesh
Hafnium carbide, -325 mesh
Molybdenum carbide, -325 mesh
Niobium carbide, 5 µm, 97%
Silicon carbide, -400 mesh
Silicon carbide, 200-450 mesh
Tantalum carbide, 5 µm, 99%
Titanium carbide, <4 micron powder
Titanium carbide, -325 mesh, 98%
Tungsten carbide, powder, 10 µm, 99%
Vanadium carbide, powder, 1.5-2 µm
Zirconium carbide, powder, 5 µm, 99%
Silicon carbide, nanopowder

Nitrides

Product Name
Boron nitride, powder, 1 µm, 99%
Calcium nitride, 99%, 200 mesh
Chromium nitride, -325 mesh
Germanium nitride, 99.99+%
Magnesium nitride, 99.5+%, 325 mesh
Aluminum nitride, nanopowder

Oxides

Product Name
Ceramic Oxides
Aluminum oxide, 99.998%
Aluminum oxide, calcined, powder, Primarily α -phase, 99+%, 100-325 mesh
Aluminum oxide, calcined, powder, Primarily α -phase, 150-325 mesh
Aluminum oxide, Primarily α -phase, calcined, 100-400 mesh, 99+%
Aluminum oxide, Corundum, α -phase, -100 mesh, 99%
Aluminum oxide, fused, 99.99%, 6-12 mesh
Aluminum oxide, fused, pieces, 3-12 mm, 99.99%
Aluminum oxide, fused, powder, Primarily α -phase, -325 mesh, 10 µm, 99+%
Aluminum oxide, fused, powder, Primarily α -phase, 99+%, 100-200 mesh
Aluminum oxide, Primarily α -phase, fused, 200-325 mesh, 99+%

Aluminum oxide, granular, 4-8 mesh
Aluminum oxide, pellets, 3 mm
Aluminum oxide, powder, 99.99%
Aluminum oxide, powder, -100 mesh, 99.9%
Aluminum oxide, powder, 10 µm, 99.7%
Aluminum oxide, Primarily α-phase, sintered, pieces, 3 mm, 99.8%
Calcium carbonate, 99.999+%
Calcium carbonate, 99.995+%
Calcium carbonate, chelometric standard, ACS reagent, 99.95-100.05% as dry basis
Calcium carbonate, low in alkalies, 99+%, ACS reagent
Calcium carbonate, powder, ≥99.0%, ACS reagent
Calcium carbonate, powder, 10 µm, 98%
Calcium carbonate, random crystals, optical grade
Germanium(IV) oxide, 99.9999%
Indium(III) oxide, 99.999%
Indium(III) oxide, 99.99%
Magnesium oxide, 99.999%
Magnesium oxide, 99.99%
Magnesium oxide, fused, pieces, 3-12 mm, 99.95%
Magnesium oxide, fused, chips, -4 mesh, 99.9%
Magnesium oxide, -325 mesh, 99+% (Purity based on metallic impurity content.)
Magnesium oxide, fused, -40 mesh, 99+%
Magnesium oxide, fused, 95+%, 150-325 mesh
Silicon dioxide, 99.995+%
Silicon dioxide, fused, pieces, 3-12 mm, 99.99%
Silicon dioxide, fused, pieces, 4 mm, 99.99%
Silicon dioxide, fused, granules, 99.9%, 4-16 mesh
Silicon dioxide, -325 mesh, 99.6%
Silicon dioxide, 99.8%
Silicon monoxide, pieces, 3-6 mm, 99.99%
Thallium(III) oxide, 99%
Aluminum oxide, mesoporous, average pore size 5.6 nm, MSU-X type
Aluminum oxide, mesoporous, average pore size 6.8 nm, MSU-X type

Metallic Oxides

Barium calcium tungsten oxide, 99.9%
Barium oxide, 97%
Barium oxide, Technical Grade, 90%
Barium strontium tungsten oxide, 99.8%
Bismuth(III) oxide, 99.999%
Bismuth(III) oxide, 99.99%
Bismuth(III) oxide, powder, 10 µm, 99.9%
Bismuth strontium calcium copper oxide, powder, 5 µm
Cadmium oxide brown, 99.99+%
Cadmium oxide brown, powder, 1 µm, 99.5%
Cerium(IV) oxide, 99.999%
Cerium(IV) oxide, powder, 5 µm, 99.9%
Cerium(IV) oxide, fused, pieces, 3-6 mm, 99.9%
Cerium(IV) oxide, 90%
Chromium(III) oxide, 99.9%
Chromium(III) oxide, fused, pieces, 3-6 mm, 99+%

Chromium(III) oxide, powder, 1 µm, 98+%
Chromium(III) oxide, 50 µm, 98+%
Chromium(VI) oxide, 99.9%
Chromium(VI) oxide, crystals
Cobalt(II) oxide, –325 mesh
Copper(I) oxide, powder, 5 µm, 97%
Copper(II) oxide, powder, 99.995%
Copper(II) oxide, 99.99+%
Copper(II) oxide, powder, 99.99%
Copper(II) oxide, 14-20 mesh
Dysprosium oxide, 99.99+%
Dysprosium oxide, 99.9%
Europium oxide, 99.999%
Europium oxide, 99.99%
Europium oxide, 99.9%
Gadolinium oxide, 99.99+%
Gadolinium oxide, 99.9%
Gold(III) oxide hydrate,
Hafnium(IV) oxide, 99.95+%
Hafnium(IV) oxide, powder, 98%
Holmium(III) oxide, 99.999%
Holmium(III) oxide, 99.9%
Iridium(IV) oxide, 99.9%
Iridium(IV) oxide hydrate, 99.9%
Lanthanum oxide, 99.99%
Lanthanum oxide, 99.9%
Lanthanum oxide, meets analytical specification of Ph Eur, BP, USP, FCC, E252, 99.9+%
Lead(IV) oxide, 99.999%
Lead(II) oxide yellow, 99.999%
Lead(II) oxide yellow, powder, 10 µm, 99.9+%
Lutetium (III) oxide, 99.9%
Manganese(II, III) oxide, -325 mesh, 97%
Manganese(II) oxide, 99.99+%
Manganese(II) oxide, 99%, 60-170 mesh
Manganese(III) oxide, 99.999%
Manganese(III) oxide, -325 mesh, 99%
Manganese(IV) oxide, 99+%, 60-230 mesh
Manganese(IV) oxide, 10 µm, 90+%
Manganese(IV) oxide activated, 5 µm, activated, ~85%
Molybdenum(IV) oxide, 99%
Nickel oxide, 99.999%
Nickel oxide, green, –325 mesh, 99%
Niobium(II) oxide, -100 mesh, 99.9%
Niobium(IV) oxide, –200 mesh
Niobium(V) oxide, 99.99%
Niobium(V) oxide, -325 mesh, 99.9%
Niobium(V) oxide, lumps, 99.8%
Niobium(V) oxide, pore 22 Å, 99.5% (Purity based on trace metallic impurities.)
Osmium tetroxide, 99.8%
Palladium(II) oxide, 99.998%
Palladium(II) oxide, Engelhard code S3154, 99.9+%

Palladium(II) oxide hydrate, Engelhard code S3115, 99.9+%
Prasodymium(III) oxide, 99.9%
Praseodymium oxide, 99.999%
Praseodymium oxide, 99.9%
Rhenium(IV) oxide, 99.995%
Rhenium(IV) oxide, 99.7%
Rhenium(VI) oxide
Rhenium(VII) oxide, 99.995%
Rhenium(VII) oxide, 99.9+%
Rhodium(III) oxide, 99.8%
Rhodium(III) oxide hydrate,
Rhodium(IV) oxide, 99.9%
Ruthenium(IV) oxide hydrate, 99.9%
Ruthenium(IV) oxide hydrate, powder
Samarium oxide, 99.99%
Scandium oxide, powder, 99.999%
Scandium oxide, fused, tablet, diam. 10 mm, 99.99+%
Scandium oxide, 99.9%
Silver(I) oxide, 99.99+%
Silver(I) oxide, 99%
Silver(II) oxide
Strontium oxide, 99.9%
Tantalum(V) oxide, 5 µm, 99.99%
Tantalum(V) oxide, lumps, 99%
Tantalum(V) oxide, 99%
Tantalum(V) oxide, pore 32 Å
Terbium oxide, 99.999%
Terbium oxide, 99.9%
Terbium(III) oxide, 99.99%
Thulium(III) oxide, 99.99%
Thulium(III) oxide, 99.9%
Tin(II) oxide, 99.99%
Tin(IV) oxide, -325 mesh, 99.9%
Tungsten(IV) oxide, -100 mesh
Tungsten(VI) oxide, powder, 20 µm, 99+%
Vanadium(III) oxide, 98%
Vanadium(IV) oxide, 99.9%
Vanadium(V) oxide, 99.6+%
Vanadium(V) oxide, 98+%
Ytterbium oxide, 99.99%
Zinc oxide, 99.999%
Zinc oxide, 99.99%
Zinc oxide, powder, 1 µm, 99.9%
Zinc oxide hydrate, 97%
Zirconium(IV) oxide, 99.99%
Zirconium(IV) oxide, powder, 5 µm, 99%
Zirconium(IV) oxide, diam. 1 cm × thickness 3 mm, 98%
Zirconium(IV) oxide, sulfated, pore 18 Å, 99% (Purity determined on metals basis)
Zirconium(IV) oxide, sulfated, pore 32 Å, 99% (Purity determined on metals basis)
Aluminum nitride, nanopowder
Aluminum oxide, nanopowder

Aluminum oxide, nanopowder, whiskers
Antimony tin oxide, nanopowder, 99.5+%
Barium titanate(IV), nanopowder, 99+%
Copper(II) oxide, nanopowder
Indium-tin oxide, nanopowder
Iron(III) oxide, nanopowder
Magnesium oxide, nanopowder
Silicon carbide, nanopowder
Strontium titanate, nanopowder, 99.5+%
Tin(IV) oxide, nanopowder
Tungsten(VI) oxide, nanopowder
Yttrium(III) oxide, nanopowder
Zinc oxide, nanopowder
Zirconium(IV) oxide, nanopowder
Calcium oxide, 99.995% (Purity based on metallic impurity content.)
Calcium oxide, anhydrous, powder, 99.99+%
Calcium oxide, 99.9%
Calcium oxide, 98%

Sulfides

Product Name

Ceramic Sulfides

Aluminum sulfide, granular, –4 mesh, 98%
Antimony pentasulfide, Technical Grade
Antimony(III) sulfide, 99.995%
Antimony(III) sulfide, powder
Arsenic(II) sulfide, 98%
Arsenic(III) sulfide, 99.99+%
Arsenic(III) sulfide, 99.9+%, –325 mesh
Arsenic(V) sulfide, 99.99+%
Gallium(III) sulfide, 99.99%
Germanium(II) sulfide, 99.99%
Indium(III) sulfide red, 99.99%
Phosphorus pentasulfide, 99%
Phosphorus trisulfide,
Selenium sulfide

Metallic Sulfides

Barium sulfide, 99.9%
Bismuth(III) sulfide, 99%
Calcium sulfide, –325 mesh, 99.9+%
Copper(I) sulfide, anhydrous, powder, 99.99%
Copper(I) sulfide, powder, –325 mesh
Copper(II) sulfide, powder, 99.99%
Copper(II) sulfide, powder, 99+%, –100 mesh
Gold(I) sulfide, 99.9%
Gold(III) sulfide, 99.9%
Iron(II) sulfide, –100 mesh, 99.9%
Iron(II) sulfide, Technical Grade
Lead(II) sulfide, 99.9+%, –200 mesh
Lithium sulfide, 98%

Manganese(II) sulfide, 99.9%, –325 mesh
Mercury(II) sulfide red, 99.999%
Mercury(II) sulfide red, 99%
Mercury(II) sulfide red,
Palladium(II) sulfide, 99.9%
Platinum(IV) sulfide, 99.9%
Rhenium(VII) sulfide, 99.9%
Silver sulfide, 99.9%
Sodium sulfide
Sodium sulfide nonahydrate, <i>ReagentPlus™</i> , ≥98.0%, 99.99+%
Strontium sulfide, 99.9+%
Thallium(I) sulfide
Tin(II) sulfide, 96%
Titanium(IV) sulfide, powder, 1 µm, 99.9%
Titanium(IV) sulfide, powder, anhydrous, powder, 99.95%
Tungsten(IV) sulfide, powder, 2 µm, 99%
Zinc sulfide, 99.99%, powder, 10 µm
Zinc sulfide, pieces, 3-12 mm, 99.9%
Molybdenum(IV) sulfide, powder, 2 µm, 99%

Wide Band-Gap Semiconductors

Product Name
Aluminum arsenide, –60 mesh
Aluminum nitride, powder, 10 µm, 98+%
Cadmium selenide , 10 µm, 99.99%, electronic grade
Cadmium sulfide, powder, 99.995%
Cadmium sulfide, powder
Cadmium telluride Coating quality Balzers, powder, 5 µm, 99.99+%
Gallium arsenide, pieces, 99.999%
Gallium nitride, 99.99+%
Gallium phosphide, 99.99%
Germanium(II) selenide, 99.999%
Germanium(II) telluride, 99.999%
Indium(III) nitride, 99.9%
Indium(III) phosphide, pieces, 3-20 mesh, 99.998%
Indium-tin oxide, –325 mesh, 99.99+%
Niobium nitride, –325 mesh
Silicon nitride, powder, 99.9+%
Silicon nitride, –325 mesh, predominantly α-phase
Silicon nitride, –325 mesh, predominantly β-phase
Tantalum nitride, 5 µm, 99.5%
Titanium carbonitride, powder, 1-2 µm, 99.8%
Titanium nitride, 10 µm, 99%
Vanadium nitride, –325 mesh, 99%
Zinc selenide Coating Quality Balzers, powder, 5 µm, 99.99%
Zinc selenide Coating Quality Balzers, random pieces, optical grade
Zinc telluride Coating Quality Balzers, –100 mesh, 99.99%
Zirconium nitride, –325 mesh