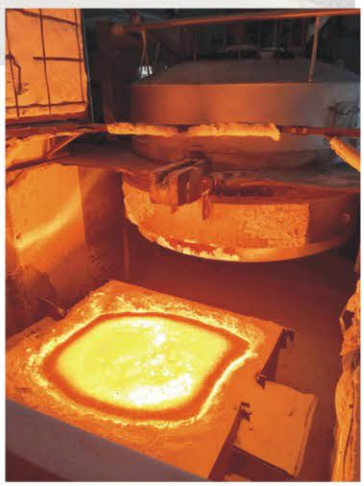
SINABUDDY



SBM REFRACTORIES
SINABUDDY MINERAL

SBM REFRACTORIES
SINABUDDY MINERAL









ABOUT US

Sinabuddy Mineral is focusing on the production of Refractory materials for 20 years. Our Fused Aluminum Oxide plant has both Tilting Furnaces and Higgins or Fixed Furnaces. The size distribution and grain shape are controlled very well in our production based on different requirements. The annual output is more than 100,000MT of High-quality Brown Fused Alumina, White Fused Alumina, Tabular Alumina, Alumina Balls and Fused Mullite.

Through developing the Refined Processing of our products these years, Sinabuddy Mineral is famous for "SBM Refractories" Brand, and has been ultimately available to supply our clients the most Professional Solutions in Refractories, Investment Casting, Metallurgy, Metal Filtration, serving for Iron and Steel, Ceramics, Glass, Cement and Lime, Aluminum Industry, Petrochemical Industry, etc.

With the perfect quality control system under ISO-9001:2015, Sinabuddy is specialized in supplying both aggregate and powder form (say 0-0.2mm, 0-0.3mm, 0-0.5mm, 0-1mm, 1-3mm, 3-5mm, 5-8mm, 48F, 100F, 200F, 325F, etc.). Through series of advanced scientific processing technology, strict process control, rigorous quality inspection, Sinabuddy Mineral will offer you Excellent quality, Competitive price, and Fast delivery.

If you are looking for a Reliable and Professional partner, Sinabuddy Mineral will be your best choice in long term.





Calcined Bauxite



Calcined Bauxite has high thermal stability, high mechanical strength and good resistance to molten slags. Sinabuddy can supply three kinds of kilns based on different calcination process:
Rotary kiln Bauxite,
Round kiln Bauxite,
Shaft kiln Bauxite,
all kinds could be with Al_2O_3 contents from 75% to 90%.

Bauxite is widely used for Refractories, Aluminum metallurgy, Precision casting or Investment casting, the molten steel ladle, Aluminum silicate refractory fiber, bauxite cement, etc. It also can be used in Road systems for its high-friction and anti-skid properties.

Specifications:

Al_2O_3%	Fe_2O_3%	B.D.(g/cm^3)	SiO_2%	CaO+MgO %	Na_2O+K_2O %	TiO_2 %
≥90	≤1.5	≥3.3	≤4	≤0.5	≤0.35	≤4
≥89	≤1.8	≥3.2	≤5	≤0.5	≤0.35	≤4
≥88	≤1.8	≥3.2	≤6	≤0.5	≤0.35	≤4
≥87	≤1.8	≥3.15	≤7	≤0.5	≤0.35	≤4
≥86	≤1.8	≥3.15	≤8	≤0.5	≤0.35	≤4
≥85	≤2	≥3.10	≤9	≤0.5	≤0.35	≤4
≥83	≤2	≥3.0	≤11	≤0.5	≤0.35	≤4
≥80	≤2	≥2.9	≤14	≤0.5	≤0.35	≤4
≥75	≤2	≥2.8	≤19	≤0.5	≤0.35	≤4

Sizes Available:

0-1mm, 1-3mm, 3-5mm, 0-30mm, 0-50mm,
-100mesh, -200mesh, -325mesh
Other sizes are also available on request.

Brown Fused Alumina (BFA)



Brown Fused Alumina (BFA) is produced by fusion of calcined bauxite in an electric arc furnace at temperature higher than 2050℃ . Sinabuddy supplies both Tilting furnace BFA and Higgins (Fixed) furnace BFA.

Brown Fused Alumina (BFA) has high resistance to mechanical wear and high abrasion and corrosion resistance, low thermal conductivity, and good thermal shock resistance. It is ideal for use in flow control and continuous casting applications of steel & other non-ferrous metal production. It is widely used for Sliding gates, Stoppers, Submerged entry nozzles, Precast functional shapes, High alumina bricks and other refractory shapes, and Gunning materials, Moldable and Ramming Refractory Mixes, Castable, Monolithic, Mortars, etc.

Chemical Composition:

Specification	Al_2O_3	SiO_2	Fe_2O_3	TiO_2
Tilting furnace BFA	≥95%	≤1.0%	≤0.2%	≤3.0%
Higgins furnace BFA	≥95%	≤1.5%	≤0.3%	≤3.0%

Physical Properties:

Color	Melting Temperature	Refractoriness	True Specific Gravity	Mohs hardness
Brown	2050℃	1980℃	≥3.90 g/cm³	≥9

Sizes Available:

0-0.5mm, 0.5-1mm, 0-1mm, 1-3mm, 3-5mm, 5-8mm, 8-12mm,
0-10mm, 0-25mm, 0-30mm
8/14mesh, 14/28mesh, 28/48mesh, -48mesh,
-100 mesh, -200 mesh, -325 mesh
Other sizes are also available as request.

White Fused Alumina (WFA)



White Fused Alumina (WFA) is produced from high purity alumina in electric arc furnaces. Sinabuddy WFA has high hardness, high bulk density, low porosity and high volume stability and thermal shock resistance.

White Fused Alumina is the main starting materials to produce high-grade unshaped and shaped refractories for Iron and Steel, Cement, Ceramics, Glass, Petrochemical, etc.
As Monolithic Refractories, WFA is used for large-scale ladle casting materials, high-grade iron trench casting materials, spraying materials, prefabricated part, and other unshaped refractory materials. As Shaped Refractories, WFA is used for Corundum bricks, Mullite corundum brick /saggars, high-temperature industrial furnace lining, etc.

Chemical Composition:

Specification	Al_2O_3	SiO_2	Fe_2O_3	Na_2O
Regular WFA	≥99.2%	≤0.1%	≤0.1%	≤0.35%
Low Na_2O WFA	≥99.2%	≤0.1%	≤0.1%	≤0.09%

Physical Properties:

Color	Melting Temperature	Refractory Temperature	True Density	Loss on Ignition (LOI)	Mohs Hardness
Brilliant White	2250℃	1900℃	≥3.90 g/cm³	≤0.10%	≥9

Sizes Available:

0-0.3mm, 0-0.5mm, 0.5-1mm, 0-1mm, 1-3mm, 3-5mm, 5-8mm, 0-30mm,
8/14mesh, 14/28mesh, 28/48mesh, -48mesh,
-100mesh, -200mesh, -325mesh
Other sizes are also available on request.

Investment Casting Alumina



Sinabuddy produces high purity, dedusted investment casting Alumina. Sinabuddy Investment casting Alumina has exacting size controls and is specially used for Ceramic slurries and facing sand operations. It is designed to meet the high temperature applications of Ceramic molds or shells in investment casting or lost-wax casting for a wide range of steel alloys of all types.

Sinabuddy Casting Alumina has very high hardness (9 Mohs), high melting point (2050 degree), High density (3.9~4.0 g/cm3), excellent thermal and chemical stability, as well as a high degree of thermal shock resistance.

It could replace the expensive Zircon sand or powder in Investment casting.

Chemical analysis in wt.% (80-120#)

Index	Al_2O_3	SiO_2	Fe_2O_3	Na_2O
Typical value	99.30	0.05	0.05	0.25

Sizes Available:

20-40mesh, 40-70mesh, 70-80mesh,
80-100mesh, 80-120mesh, -325mesh
Other sizes are also available on request.

Tabular Alumina



Tabular Alumina from Sinabuddy is high-density and fully shrunk corundum. It can replace white fused alumina in some applications and have much better properties.

Tabular Alumina is widely used for shaped and unshaped products, like bricks or specially shaped products, sliding gates, porous plugs for steel ladles and shaped products for the glass industry, etc.

Tabular Alumina is also used for castable likes mortars, for spraying the linings of the steel industry's electric and basic oxygen furnaces, ladles, and coke ovens, rotary kilns, etc.

Besides, Tabular Alumina and Tabular Alumina Ball could be used for the filtering media in Aluminum metal production.

Chemical Composition:

Al_2O_3	SiO_2	Fe_2O_3	Na_2O	Fe(M.I.)
≥99.2%	≤0.1%	≤0.1%	≤0.40%	≤0.02%

Physical Properties:

Color	True Specific Gravity	Bulk Density	Apparent Porosity	Water Absorption
White	≥3.90 g/cm³	≥3.55 g/cm³	≤5.0%	≤1.5%

Sizes Available:

0-0.2mm, 0-0.3mm, 0-0.5mm, 0.5-1mm, 0-1mm, 1-3mm, 3-5mm, 5-8mm, 1/2"-1/4"mesh, 1/4"-8mesh, 3/6mesh,8/14mesh, 14/28mesh, 28/48mesh, -48mesh, 100mesh, 200mesh, 325mesh

Other sizes are also available on request.

Fused Mullite

Fused Mullite is produced by fusing high purity alumina and silica in an electric arc furnace. Sinabuddy Mullite is needle-like alumina-silica crystal phase, that has low porosity, low conductivity, excellent thermal shock resistance, and excellent resistance to deformation under load.

Fused Mullite is ideal Refractories materials for glass and steel industries: Such as Glass kiln lining brick, Mullite brick for alkali-free glass sedimentation tank, Blast Furnace Low Creep Sillimanite Bricks, etc.
Fused Mullite is also widely used in Ceramic Kiln furniture, such as mullite plates, Corundum mullite disc, which are produced from high quality mullite, and high purity fused corundum with the advantages of high refractoriness under load, compact structure, low porosity, and high resistance to corrosion. They are mainly used for thermal insulation layer of high temperature furnaces.
Besides, Fused Mullite in both aggregate and powder form can be used in Investment casting industry.





Specifications:

Index	Al_2O_3	SiO_2	Fe_2O_3	Na_2O	LOI
Regular FM-75	74-79%	20-25%	≤0.1%	≤0.35%	≤0.1%
Low Na_2O FM-75	75-80%	20-25%	≤0.1%	≤0.09%	≤0.1%

Sizes Available:

0-1mm, 1-3mm, 3-5mm, 100mesh, 200mesh, 325mesh
Other sizes are also available on request.

Fused Zirconia Mullite



Fused Zirconia Mullite -FZM is produced by fusing high purity Zirconia and Alumina in electric arc furnace.
Sinabuddy Fused Zirconia Mullite has good homogenization, low porosity, good thermal conductivity, low thermal expansion coefficient and good slag resistance and corrosion resistance.

Fused Zirconia Mullite is ideal high grade Refractories materials for Zir-mullite bricks and bricks used in the Glass Industry, ceramic pressure casting tubes, as well as Zirconia basic slide plate, stopper, long nozzle and sliding gate nozzle in Continuous casting refractories.

Specifications:

Index	FZM-35	FZM-33
Al_2O_3 (%)	42-49%	42-49%
ZrO_2 (%)	35-39%	33-37%
SiO_2 (%)	15-20%	15-20%
Fe_2O_3 (%)	≤0.5%	≤0.5%
$3Al_2O_32SiO_2$ Phase (%)	50 - 55%	51 - 56%
Indined $ZrSiO_4$ Phase (%)	30 - 33%	30 - 33%
Corundum Phase (%)	≤5.0%	≤5.0%
Glass Phase (%)	≤5.0%	≤5.0%
Bulk density (g/cm^3)	≥3.6	≥3.6
Apparent porosity (%)	≤5.0	≤5.0

Sizes Available:

0-1mm, 1-3mm, 3-5mm, 100mesh, 200mesh, 325mesh
Other sizes are also available on request.

Fused Spinel



Fused Magnesia-Alumina Spinel is produced by melting high purity alumina and magnesia together, with the proper ratios, in electric arc furnaces. Sinabuddy Fused Spinel has very large crystals and exhibits excellent corrosion resistance, thermal shock resistance, and good hot strength to molten metals and slags.

Fused Spinel is mainly used to produce high grade magnesia-alumina bricks, magnesia-alumina castable, continuous casting skateboards, nozzle blocks and roof bricks, ladle lining bricks and flat furnace bricks, as well as large-scale cement basic raw materials for kilns, transition zone lining bricks of medium-sized cement kilns, refractory castable and high and medium temperature kiln furniture bricks.

It is widely used in steel smelting, electric furnace roof, ladle, cement rotary kiln, glass industrial furnace and metallurgical industry, etc.

Specifications:

Index	AM-60	AM-70	AM-80	AM90
Al_2O_3(%)	59-66	69-76	79-86	88-95
MgO(%)	30-40	22-30	12-22	8-12
CaO(%)	0.65max	0.50max	0.50max	0.30max
Fe_2O_3(%)	0.50max	0.40max	0.20max	0.20max
SiO_2(%)	0.50max	0.40max	0.30max	0.30max
Na_2O(%)	0.40max	0.40max	0.40max	0.30max
Bulk Density(g/cm^3)	3.1min	3.2min	3.2min	3.3min
Apparent Porosity(%)	5.0max	5.0max	5.0max	5.0max

Sizes Available:

0-0.2mm, 0-0.5mm, 0-1mm, 1-3mm, 3-5mm, 5-8mm,
8/14mesh, 14/28mesh, 28/48mesh, -48mesh,
100mesh, 200mesh, 325mesh
Other sizes are also available on request.

Bubble Alumina



Bubble Alumina is hollow insulating sphere produced by atomizing melted high-purity alumina. Sinabuddy Bubble Alumina has low bulk density and extremely low thermal conductivity.

Bubble alumina is widely used in light weight, high temperature insulating refractories, such as ceramic kilns liners, kiln hot face & back, etc.
Bubble alumina is used effectively for loose-fill refractories, used in low density, high insulation refractory castable, concrete, and ceramic bodies, and can used as Filtration media in the metallurgical industry to remove impurities.
Besides, Bubble alumina is used well in Grinding wheels to add porosity, resulting in cooler cutting wheels, and used as bed materials in the firing process of vitrified grinding wheels and other ceramic parts.

Chemical Composition:

Specification	Al_2O_3	SiO_2	Fe_2O_3	Na_2O
Bubble Alumina	≥99.2%	≤0.2%	≤0.1%	≤0.35%
Low Na_2O Bubble Alumina	≥99.5%	≤0.15%	≤0.05%	≤0.15%

Physical Properties:

Bulk Density	Damaged rate	Refractoriness	Main Phase
0.5-1.0 g/cm^3	≤15%	1800°C	α-Al_2O_3

Sizes Available:

0-0.2mm, 0.2-0.5mm, 0.2-1mm, 1-2mm, 1-3mm, 3 -5mm
Other sizes are also available on request.

Calcined Alumina



Calcined Alumina is produced from the calcination of high purity alumina. Sinabuddy can produce a range of high alpha alumina grades by controlling the calcination temperatures and time.

Calcined Alumina is widely used for unshaped refractories and shaped refractories, pre-case shapes used in foundry, iron and steel making, such as skateboards, Stopper, Long nozzle, Submerged entry nozzle in Continuous Steel Casting, and castable for tapping ditches, spraying coatings, kiln furniture, ladle castable, etc.

Bimodal Alumina is specially used in permeable bricks, seat bricks, corundum self-flowing castable, etc.

Calcined alumina is also used well in Structural ceramics, wear-resistant ceramics, thermal ceramics, glazes, electronic substrate, etc.

Specifications:

	Calcined Alumina				Activated Alumina			Bimodal Alumina
Index	SBM 100-325MESH	SBM 325MESH	SBM-9FG	SBM-1A	SBM-12D	SBM-10	SBM-L2	SBM-I2
Al_2O_3 (%)	>99.2	>99.2	>99.6	>99.7	>99.6	>99.6	>99.7	>99.7
Na_2O (%)	0.35	0.35	0.2	0.04	0.15	0.2	0.04	0.05
Fe_2O_3(%)	0.05	0.05	0.04	0.04	0.04	0.02	0.03	0.04
SiO_2(%)	0.05	0.05	0.06	0.05	0.06	0.05	0.07	0.06
BET(m^2/g)	0.53	0.62	0.93	1.28	2.15	2.86	3.71	1.7
D50 (μm)	-	-	5.2	3.7	2.35	2.1	1.12	2.95

Other specifications are also available on request.

Sizes Available:

100-325mesh, 325mesh, 500mesh, 800mesh,
5μm, 4μm, 3μm, 2μm, 1μm, 0.5μm
Other sizes are also available on request.

Black Silicon Carbide (SiC)



Black Silicon Carbide (SiC) is produced from quarts sand and petroleum coke in an electric resistance type furnace. Its grains are black hexagonal crystals with fragile and sharp properties. Sinabuddy SiC has extreme high hardness, high abrasion resistance, high electric and thermal conductivity, low thermal expansion, and outstanding thermal shock resistance.

Black Silicon Carbide is widely used in Refractory Bricks, monolithic refractory materials, reinforcing filler, Coating material, and production of SiC-based refractory composites by combining black SiC with other materials.

Black Silicon Carbide is also used well for Silicon Carbide Ceramic Products, such as Silicon Carbide shed plate, SIC slab decking kiln shelves, beams, batts, Burner Nozzles, Tubes and Rollers, etc.

Besides, SiC could be used for precision Casting, Foundry and Metallurgical additive in iron & steel industry.

Specifications:

Specification	SiC	F.C	Fe_2O_3	F.Si	SiO_2
SiC 98	≥98%	≤0.25%	≤0.3%	≤0.8%	≤0.5%
SiC 97	≥97%	≤0.3%	≤0.4%	≤0.8%	≤1.2%
SiC 95	≥95%	≤1.0%	≤1.0%	≤0.8%	≤1.5%
SiC 90	≥90%	≤2.5%	≤2.8%	≤0.8%	≤3.5%
SiC 88	≥88%	≤2.8%	≤3.0%	≤0.8%	≤4.5%
SiC 70	≥70%	≤8.0%	≤3.5%	≤1.2%	≤11.0%

Sizes Available:

0-0.5mm, 0-1mm, 1-3mm, 3-5mm, 0-10mm, 1-10mm,
-100mesh, -180mesh, -200mesh, -325mesh
Other sizes are also available on request.

Flake Graphite



Natural Flake Graphite is formed when deposits of carbon come under pressure and temperature. It comes as jumbo flake, large flake, medium flake, and fine flake.
Sinabuddy Graphite has good electrical conductivity and thermal conductivity, high melting point, good lubricity, plasticity, chemical stability, resistance oxidation, and high resistance corrosion, etc.

Graphite is widely used for refractory materials, like Magnesia-carbon bricks, ladles for liquid steel, pouring nozzle, sliding gate, slide plate, nozzle monolithic and stopper, graphite dry pot, steel ingot protective agent and steel carburizing agent, etc.
It is also used for the metallurgy casting mold and metallurgical materials, conductive material, wear-resisting lubricating material, etc.
Besides, Graphite is used well in Car industry. Graphite is a key component in the lithium-ion batteries that electric and hybrid cars use.

Sinabuddy can supply High Carbon Graphite (93-99%) and Medium Carbon Graphite (80-93%).

Specifications:

Fixed carbon (%)min	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	83	80
Volatile (%)max	1	1	1.2	1.2	1.2	1.2	1.5	1.5	1.5	2	2	2	2.5	2.5	2.5	3	3
Ash (%)max	0.65	1.3	2	2.8	3.8	4.8	5.7	6.65	7.6	8.2	9.2	10.2	10.8	11.7	12.7	14.4	17.3
Moisture (%)max	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Sizes Available:

+32MESH, +50MESH, +80MESH, +100MESH;
-100MESH, -200MESH, -325MESH, -500MESH, -800MESH, -1000MESH
Other sizes are also available on request.

Boron Carbide

Boron Carbide is produced from boric acid and carbon materials in electric furnace. Boron Carbide is one of the hardest materials. Its hardness is second only to diamond and cubic boron nitride. It has high thermal shock resistance, acid and alkali corrosion resistance, high strength, good chemical stability, light specific gravity, etc.



Boron carbide is widely used as antioxidant additive in low carbon magnesia carbon brick and castable. It works to protect carbon-bonded refractory materials against oxidation in iron and steel industry.

Boron Carbide is used well in Ceramics in bulletproof field; Wear parts such as blasting nozzles, wire-drawing dies, powdered metal and ceramic forming dies; Nuclear applications; and as abrasives for lapping and ultrasonic cutting.

Chemical Composition:

Specification	B+C	B Total	C total	F. B.	F.C.
B4C	95-99%	75-80%	19-22%	≤0.5%	≤3%

Physical Properties:

Color	Density g/cm^3	Melting point	Mohs Hardness
Black Powder	2.52	2450℃	9.3

Sizes Available:

60-150MESH, -100MESH, -200MESH, -325MESH,
25μm, 20μm, 10μm, 5μm, 3μm, 2μm 1μm.
Other sizes are also available on request.

Zirconium Silicate



Zirconium Silicate is made of high purity zircon sand concentrates by process of ultra-thin milling, iron removal, titanium processing surface modification, etc. Characterized by good thermal stability, high corrosion resistance, high level of whiteness and excellent covering power.

Micronized zirconium silicate is widely used as opacifier in glaze production of ceramics, such as Ceramic Opacifier for wall tiles, sanitary ware (toilets, basins), floor tiles, dinnerware, glazes bricks and industrial tiles. etc.
It is also used as Additive for ceramic body to improve whiteness. And for frits raw materials, refractory material, resin, and paint filler, etc.

Specifications:

Index	ZS65	ZS64	ZS63	ZS60	ZS55
$Zr(hf)O_2$ (%)	65.07	64.77	63.86	61.18	55.5
Fe_2O_3 (%)	0.06	0.11	0.12	0.18	0.23
TiO_2 (%)	0.12	0.13	0.24	0.23	0.29
Whiteness degree	95	92.7	90.4	90.6	91.5
Specific Surface area	9.2	8.97	9.43	9.14	8.51
D50(um)	0.95	1.03	0.96	1.05	1.04
D97(um)	1.61	1.68	1.64	1.71	1.69

Sizes Available:

0.95 μm, 1μm, 1.05 μm, 1.33μm, 3μm, 5μm, etc.
Other sizes are also available on request.

Alumina Ball



Metal Filtration Alumina Ball from Sinabuddy has ultra-low porosity, very high density, and outstanding thermal shock resistance. It is the primary filter media for the filters DBF (Deep Bed Filters) in the metal casting industries.

Regenerative Burners Alumina Ball from Sinabuddy has high strength, large thermal conductivity, good heat storage and stability. It can pre-heat both coal gas and air to rapidly increase the combustion temperature to meet the billet heating requirement. It also used as heat storage packing in steel industry.

Catalyst bed support Alumina Ball for oil refining, petrochemical and natural gas applications.

Specifications:

Specification	AB 99.5	AB 99.3
Al_2O_3	≥99.5%	≥99%
Fe_2O_3	<0.02%	<0.05%
Na_2O	<0.20%	<0.40%
Water absorption	≤2.0%	≤3.0%
Compression Strength	≥1000 kg/grain	≥1500 kg/grain
Typical size	Φ19mm	Φ25mm

Sizes Available: (Unit: mm)

Φ0.5 Φ1.0 Φ2 Φ3 Φ6 Φ8 Φ10 Φ13 Φ19 Φ25 Φ30 Φ38
Other sizes are also available on request.

Alumina Ball -Grinding Media

Grinding Alumina Ball is one ideal ball mill grinding media. It has excellent high density, high hardness, and high wear resistance.

Alumina grinding ball is ideal for both wet milling and dry milling. Grinding Alumina Ball is widely used in ball mills as abrasive media for ceramic raw materials and ceramic body and glaze materials in Ceramic, cement, glass, and enamel factories.



Specifications:

Specification	AB 92	AB 95
Al_2O_3	≥92%	≥95%
Fe_2O_3	<0.04%	<0.02%
Bulk Density	≥3.65g/cm^3	≥3.70g/cm^3
Hardness (Mohs)	9	9
Abrasion	≤0.01%/h	≤0.008%/h
Compression Strength	≥2000Mpa	≥2200Mpa
Typical size	Φ30mm (Pressed)	Φ30mm (Pressed)

Sizes Available: (Unit: mm)

Pressed Ball: Φ25 Φ30 Φ40 Φ50 Φ60 Φ70 Φ80 Φ90 Φ100 Φ110 Φ120
Rolled Ball: Φ0.5 Φ1.0 Φ2 Φ3 Φ6 Φ8 Φ10 Φ13 Φ20 Φ25 Φ30 Φ40
Other sizes are also available on request.

Zircon Sand & Zircon Flour

Zircon is an opaque, hard-wearing mineral with unique chemical resistance and thermal stability properties.

Zircon is mainly used in the production of ceramics where it provides whiteness, strength, and corrosion resistance. Such as ceramic floor and ceramic wall tiles, sinks, sanitary ware, and tableware.

Zircon is also used in Refractory linings and foundry castings and additive manufacturing. And used in the industrial and electronics industries.



Specification	ZrO2+HFO2	Fe_2O_3	TiO_2	SiO_2	U	Th
Typical	66.99	0.03	0.14	32.06	264ppm	169ppm

Sizes Available:

100MESH, 200MESH, 100-260MESH, 270MESH, 325MESH, 500MESH
Other sizes are also available on request.

Fused Silica

Fused Silica is made from very high purity crystal silica (quartz sand), melted by fusion in electrical arc furnaces. The process of separation of the parts of the block are done mainly manually by skilled workers and be classified in different grades: Grade A, Grade B, and Grade C.

Fused Silica has Consistent chemistry, Excellent volume stability, ensuring near-net shape castings, Low thermal conductivity, and low coefficient of thermal expansion.

Fused Silica is mainly used in refractory, ceramic, glass manufacturing, investment casting and in other special applications.



Chemical Composition:

Specification	SiO_2	Al_2O_3	Fe_2O_3	Na_2O
Grade A	≥99.9%	≤0.01%	≤0.005%	≤0.003%

Physical Properties:

Specific Gravity g/cm^3	Refractoriness ℃	Mohs Hardness	Coefficient of thermal expansion 0-1000℃
2.21	1750	7	0.5x10-6

Sizes Available:

0-0.5mm, 0.5-1mm, 1-3mm, 3-5mm
4-10mesh, 10-20mesh, 20-40mesh, 30-50mesh, 6-50mesh,
50-100mesh, -100mesh, -200mesh, -325mesh,
25μm, 20μm, 10μm, 5μm, 3μm, 2μm 1μm.
Other sizes are also available on request.

SBM

SBM

ZHENGZHOU SINABUDDY MINERAL CO., LTD
Address: NO.27 Inner Ring RD, Zhengdong New District,
Zhengzhou, China.
Tel: 0086-371-55698532
Mobile: 0086-156 4922 0727
Web: www.sinabuddy.com
Email: info@sinabuddy.com

WhatsApp

Wechat