

Non-metal Abrasives

Our Website

www.jxabrasives.com for abrasives media
www.dx-blast.com for surface treatment equipment

Email : sales01@dx-blast.com

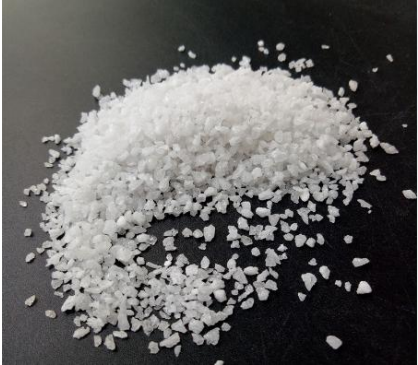
Whatsapp/We chat: +86-153 5923 1657



Expert In Metal abrasives & Shot Blasting Equipment
ISO9001 Certificate

JX Abrasives with 30 years development , is the leading manufacturer of blasting abrasives in China.

We normally produce products following international standard, also can produce customized abrasives catering for customers' various requests, benefiting from our advanced production facility, technology and quality control system.



White Aluminum Oxide



Brown Aluminum Oxide



Black Aluminum Oxide



Garnet



Glass Bead



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White Aluminum Oxide

White corundum is a kind of high-grade refractory raw materials, the main crystal phase is $\text{-Al}_2\text{O}_3$, white colour, purity of up to 98.5% or more, dense texture, crystal glassy phase, molar hardness > 9 , grain formation of the sharp-edged, self-sharpening, bulk density, grinding ability, high efficiency, low porosity, wear resistance, high temperature, acid and alkali corrosion resistance, volume stability and thermal shock resistance, and other characteristics.

The main component of white corundum: aluminium trioxide (Al_2O_3) content of more than 98%, and contains a small amount of iron oxide, silicon oxide and other components. The use of white corundum does not affect the colour of the processed parts; the processing speed is fast and the quality is high; the amount of iron oxide is very low, which can be used for sand blasting in the process where iron residue is strictly prohibited; the micronized grade is very suitable for wet blasting and polishing; and it undergoes the acid washing step to remove impurities.



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White Aluminum Oxide

Chemical composition of white
corundum //

白刚玉的化学成分

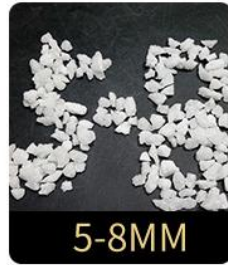
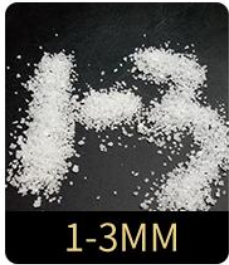
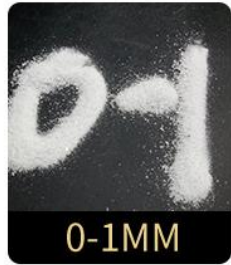
use	specification		Main chemical composition %				Magnetic %
			Al2O3	Na2O	SiO2	曹	
Abrasive tools	F sand, P sand	12-80 items	299.0	S0.5	-	S0.4	S0.003
		90-150 items	298.5	S0.6	-	S0.4	S0.003
	W powder	180-240 items	298.2	S0.7	-	S0.4	S0.002
		W1-63	297.5	S0.8	<1.0	S0.5	S0.001
refractory	Sand section	0-1mm	299.0	S0.5	-	<0.4	S0.003
		1-3mm					
		3-5mm					
		5-8mm					
		8-12mm					
	Fine powder	180 mesh -0	298.5	-	<0.3	S0.5	S0.001
		200 mesh -0					
325 mesh -0							



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White Aluminum Oxide

-白刚玉段砂-



White Aluminum Oxide segmented type: 0-1mm, 1-3m, 3-5mm, 5-8mm.

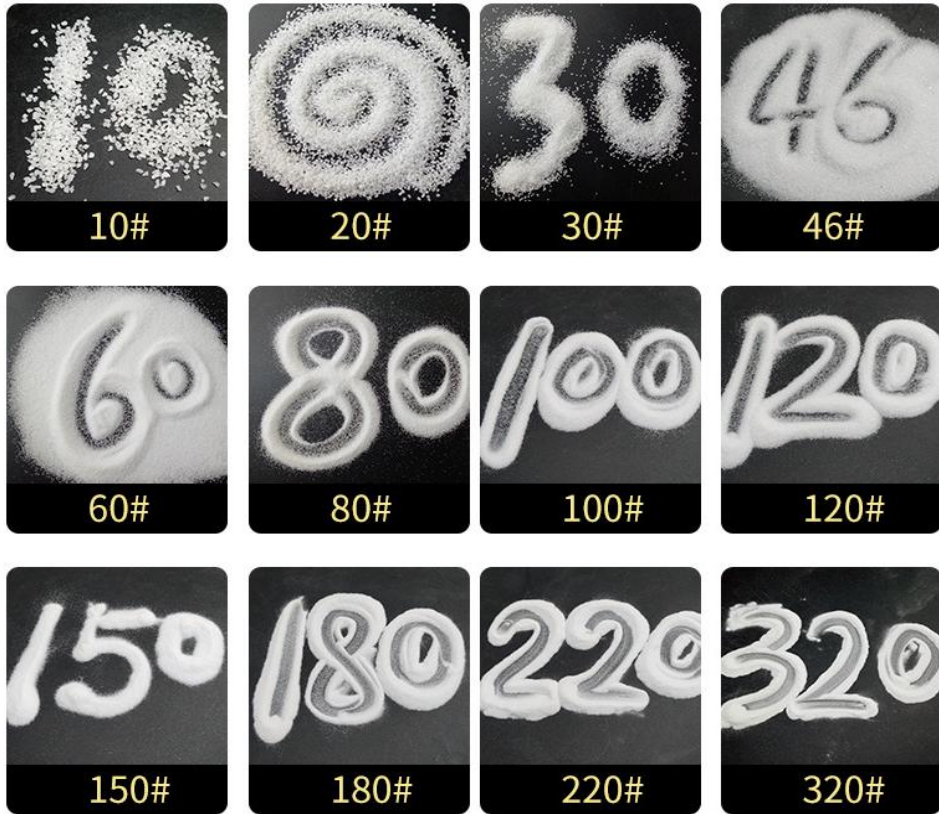
White aluminum oxide segmented sand use: unshaped refractories, shaped refractories, castables, ladle refractories, blast furnace\hot blast furnace with a series of combined bricks, high alumina bricks, carbon-containing refractories, mullite bricks, gunite, lances, bulk materials, ceramic cups, clay bricks, combined bricks, corundum products, furnace charge, mashings, raw materials for firebricks, raw materials for abrasive materials, used in steel mills, foundries, glass factories of the high end of the refractory materials.



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White Aluminum Oxide

-白刚玉粒度砂-

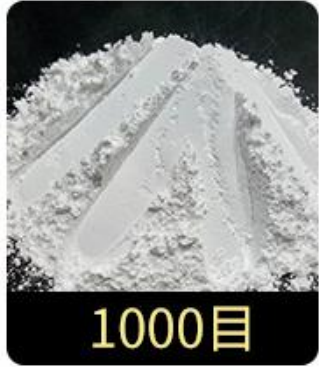
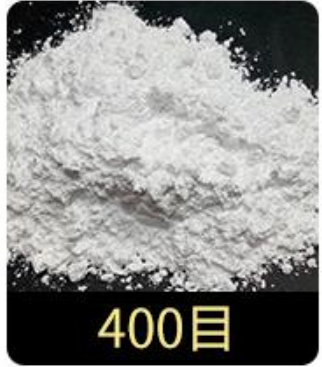


White aluminum oxide grit type: 8#, 12#, 14#, 16#, 20#, 24#, 30#, 36#, 46#, 54#, 60#, 70#, 80#, 90#, 100#, 120#, 150#, 180#, 220#, 240#.

Usage of white corundum granularity sand: It can be used in all kinds of sand blasting and polishing (lapping industry); the atomised aesthetic processing of Polaroid or acrylic artwork; sand blasting in the process of TV screen; the cutting of silicon wafers; the cleaning and sand blasting of dental moulds; the sand used in precision casting; the high-grade refractory materials and other ceramics.

White Aluminum Oxide

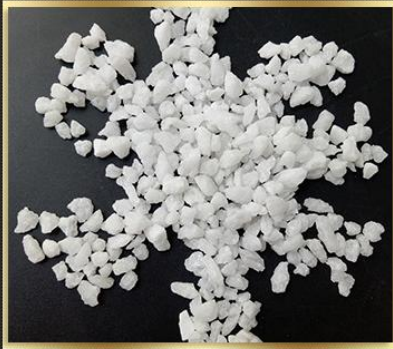
-白刚玉微粉-



White aluminum Powder Uses: cemented and coated abrasives; floor/wall laminates; thermal (plasma) spraying, polishing; grinding; microblasting applications; high grade refractories; ceramics, tiles; brake linings.

1 Quality assurance

Rationalized production process, strict control of product quality, multiple screening, uniform particle size, moderate hardness



2 Beat and grind

Exquisite workmanship, the use of high quality materials

Material, a variety of tests, durable



3 Direct supply by the manufacturer

Skilled technical team operation, rapid logistics, own large factory, sufficient output



4 Strict selection of materials

Strict selection of materials, products durable, long lasting life



Our advantage



JX Abrasives

Complete Solutions for Surface Treatment

DX BLAST

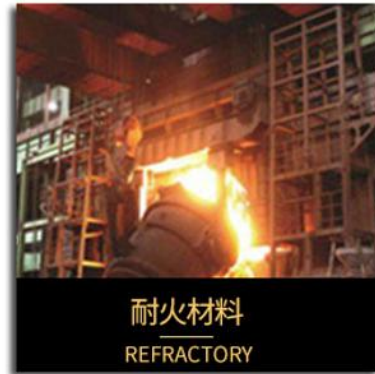
Supply A Better Solution For Surface Treatment

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White corundum has a wide range of applications, such as steel, cement, ceramics, abrasives, sandblast casting, petrochemical and electronic industries. It is mainly used as refractory materials, advanced ceramics production, workpiece casting grinding, polishing, sandblasting, resin cemented abrasives production and precision casting of precision products.

Applications



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Brown Aluminum Oxide

Brown corundum has high purity, excellent fluidity performance, good crystallisation, low linear expansion coefficient, high temperature resistance, corrosion resistance, the product has good grinding performance in the process of application, does not explode, does not chalk and does not crack. It is an indispensable industrial material in the industries of abrasives, sand blasting and grinding, and refractory materials. After several refractory production enterprises practice verification, brown corundum higher cost-effective more make it become brown corundum refractory materials of the best aggregate and filler.



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Brown Aluminum Oxide

棕刚玉技术参数：// TECHNICAL PARAMETERS OF BROWN CORUNDUM

use	specification		Main chemical composition %				Magnetic %
			Al ₂ O ₃	Fe ₂ O ₃	SiO ₂	TiO ₂	
Abrasive tools	F	14#—80#	≥95	≤0.3	≤1.5	≤3.0	≤0.05
		90#—150#	≥94				≤0.03
		180#—240#	≥93	≤0.3	≤1.5	≤3.5	≤0.02
	P	18#—80#	≥95.0	≤0.2	≤1.2	≤3.0	≤0.05
		100#—150#	≥94.0				≤0.03
		180#—220#	≥93.0	≤0.3	≤1.5	≤3.5	≤0.02
W	W1-W63	≥92.5	≤0.5	≤1.8	≤4.0	—	
refractory	Sand section	0-1mm 1-3mm 3-5mm	≥95	≤0.3	≤1.5	≤3.0	—
		5-8mm 8-12mm					
		25-0mm 10-0mm	≥95	≤0.3	≤1.5		—
		50-0mm 30-0mm					
	Fine powder	180#-0 200#-0 320#-0	≥93.5	≤0.5	≤1.5	≤3.5	—



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Brown Aluminum Oxide

-棕刚玉段砂-



0-1MM



1-3MM



3-5MM



5-8MM

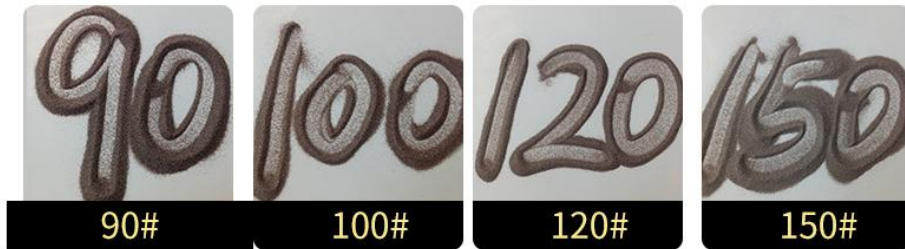
Brown aluminum oxide segmented sand is mainly used in refractory materials and construction engineering, such as refractory additives, schools and other large public places of wear-resistant non-slip flooring laying and other industries.



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Brown Aluminum Oxide

-棕刚玉粒度砂-



Grit sand is mainly used for polishing and grinding, coating moulds, precision casting and other industries.



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Brown Aluminum Oxide

-棕刚玉微粉-



400目



800目



1000目



2000目



3000目



5000目



8000目



10000目

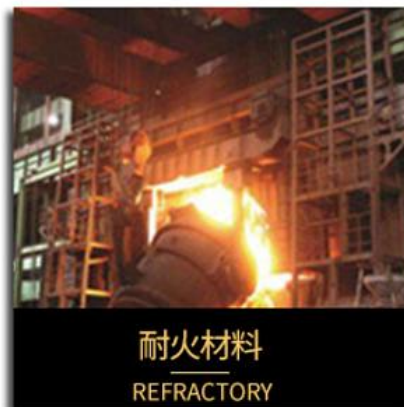
The micropowder is widely used in the colour TV industry for grinding glass shells, mobile phone screens, electronic screen surfaces as well as for making sandpaper, emery cloths, modules, high quality refractory materials and so on.



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Brown corundum is very versatile, called the teeth of industry, mainly used in refractory materials, coated abrasives, sandblasting abrasives, wear-resistant flooring, cemented abrasives, functional fillers, filtration media, waterjet cutting and other fields.

Applications



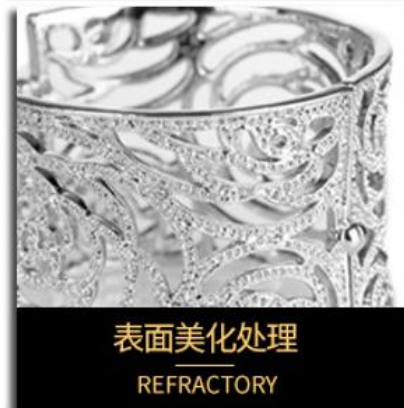
耐火材料
REFRACTORY



磨具磨料
REFRACTORY



喷砂抛光
REFRACTORY



表面美化处理
REFRACTORY



精细研磨
REFRACTORY



精密铸造
REFRACTORY



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Black Aluminum Oxide

Black aluminum oxide, also known as low aluminium corundum, is in the electric arc furnace, bauxite melting and produced a kind of α -Al₂O₃ and iron spinel as the main mineral phase of the grey-black crystals, which is characterised by a low content of Al₂O₃, and a certain amount of Fe₂O₃ (10% or so) exists, the black corundum due to the concentration of the particle size, cutting power, toughness, N good, self-sharpening performance, not easy to scratch the surface of the workpiece, The surface finish of the workpiece is higher, commonly used in sand blasting and polishing stainless steel products or aluminium products and iron products.



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Black Aluminum Oxide

Black corundum · Chemical index

type	specification	Main chemical composition %			
		Al2O3型	Fe2O3	SiO2	二氧化钛
Sand section	0-1mm	70-88.	4-12	10 to 25	2-4
	1-3mm				
	3-5mm				
Granular sand	F4-F360	65-88.	6-12 ⁶⁻¹²	12-25	2.5-4
	P12-P400	65-88.		12-25	
Micro powder	F400-F1200	65-85.	6-15 ⁶⁻¹⁵	12-27	43-53-2.5-5
	P600-P2500	65-85.		12-27	



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Black Aluminum Oxide

Common refractory sand:

0-1MM / 1-3MM 3-5MM / 5-8MM

Abrasives, consolidated abrasives commonly used F sand:

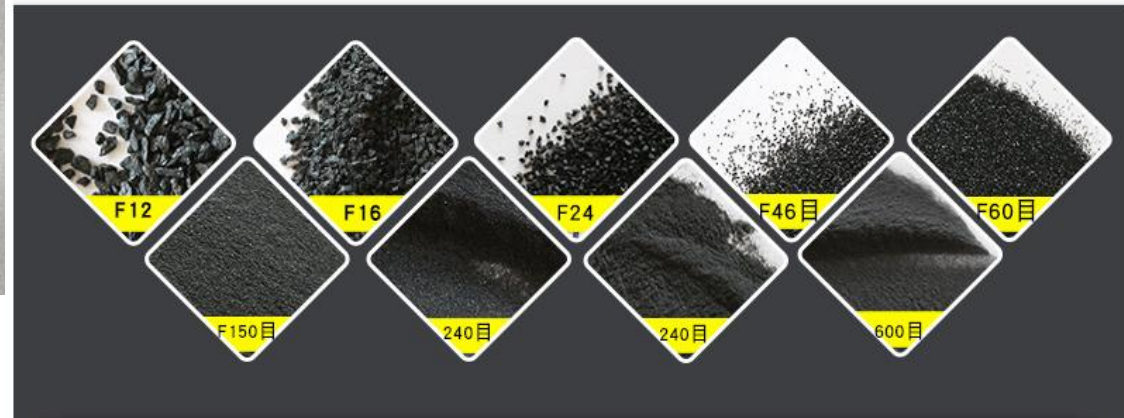
F4、f6、f8、f10、f12、f14、f16、f20、f24、f30、f36、f46、f54、f60、f80、f100
F120、F150、F180、F200、F220、F240、F280、F320、F360 mesh, etc

Coated abrasives, sandpaper, emery cloth commonly used P sand:

P12、p14、p16、p20、p24、p30、p36、p46、p54、p60、p80、p100、p120、p150、
P180、P200、P220、P240、P280、P320、P360、P400 mesh, etc

Coating, polishing, grinding commonly used powder:

400#, 600#, 800#, 1000#, 1200#, 1500#, 2000#, 2500#, etc



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Product application

产品应用

Take you to understand the application range of products



General applications



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Different aluminium oxide content

- **White corundum: Aluminium oxide content ≥ 99.2**
 - **Brown corundum: $94\% \leq$ alumina content ≤ 75**
 - **Black corundum: $45\% \leq$ alumina content ≤ 75**
-
- **Different hardness**
 - **White corundum hardness \geq brown corundum hardness \geq black corundum hardness**

Garnet

Garnet sand, free garnet as raw material grinding, with high hardness, stable chemical properties, fruit particles uniformity, high grinding efficiency, no scratches and other characteristics. Suitable for waterjet cutting industry; all kinds of metal, plastic, wood and other surface sandblasting industry; machinery industry, precision grinding, precision casting and the CRT glass shell, optical glass, silicon wafer grinding industry.



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Garnet

PRODUCT PARAMETER

Chemical Element	Content	Physical Characteristics	Typical
Al ₂ O ₃	16.72-18.06%	Specific Gravity	4.0-4.1/cm ³
Fe ₂ O ₃	27.95-29.5%	Mohs Hardness	7.5+
Si O ₂	37.44-37.77%	Acid Solubility (HCL)	<1.0%
Mg O	4.75-4.88%	Bulk density	1.8-1.9 g/cm ³
Ca O	5.0-9.48%	Chloride	10-15ppm(25ppm max)
Ti O ₂	2.7-2.9%	Conductivity	25 ms/m
P ₂ O ₅	0.05%	Melting point	1300°C



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Garnet

产品粒度展示
PRODUCT SIZE DISPLAY

星光磨料磨具

产品规格多种
具体详情咨询客服



2-4mm

1-3mm

1-2mm

星光磨料磨具

Refractory material commonly used segment sand:0-11-3 3-5 5-8(mm).



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Garnet



1. 16 mesh garnet sand: the particle size is about 0.9mm, suitable for general sandblasting treatment.

2. 20 mesh garnet sand: the particle size is about 0.8mm, suitable for more detailed sandblasting treatment.

3. 30 mesh garnet sand: the particle size is about 0.6mm, suitable for very detailed sandblasting treatment.

4. 40 mesh garnet sand: the particle size is about 0.5mm, suitable for ultra-fine sandblasting.

5. 60 mesh garnet sand: the particle size is about 0.4mm, suitable for very fine sandblasting.

6. 80 mesh garnet sand: particle size of about 0.3mm, suitable for high-precision requirements of sandblasting treatment.

7. 100 mesh garnet sand: particle size of about 0.2mm, suitable for ultra-high precision requirements of sandblasting.



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Product application scope

产品范围



Sand blast to
remove rust



Abrasive
abrasives



Water jet
cutting

Starlight abrasive abrasives

Starlight abrasive abrasives



Filter
medium



grind



Antiwear
material

General applications



JX Abrasives

Complete Solutions for Surface Treatment

DX BLAST 

Supply A Better Solution For Surface Treatment

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Glass beads

Abrasive Glass Beads are round in shape, chemically inert and environmentally friendly. They are commonly used in a variety of blasting, peening, and surface finishing applications, and they are capable of generating a bright, satin-like finish on a wide range of materials.



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Glass beads

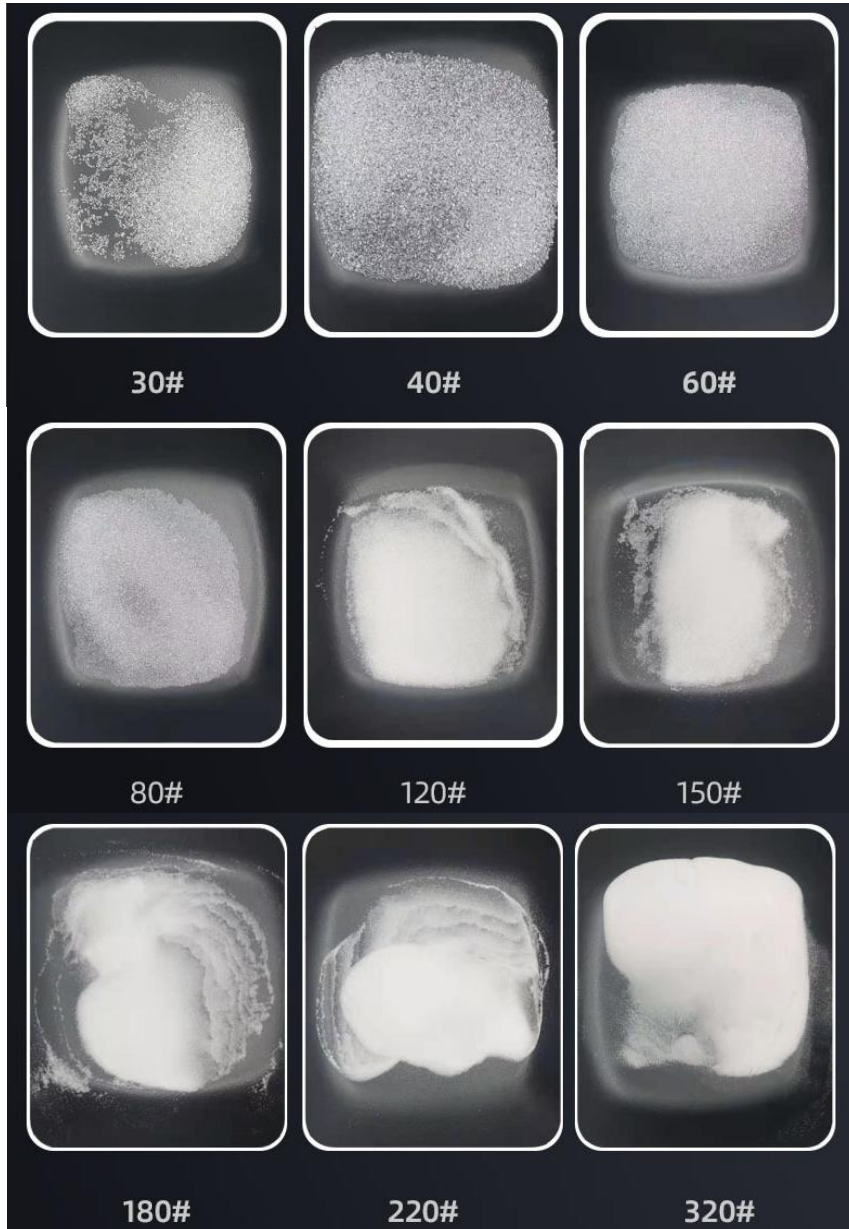
PRODUCT PARAMETER

TYPICAL CHEMICAL ANALYSIS		TYPICAL PHYSICAL PROPERTIES	
SiO ₂	71.0%	Hardness:	Mohs:6-7 HRC:46
NaO ₂	14.0%	Specific Gravity:	2.5 g/cm ³
Fe ₂ O ₃	0.1%	Bulk density(LPD):	1.6 g/cm ³
Al ₂ O ₃	2.0%	Refractive Index(RI)	≥1.5
MgO	4.0%	Round rate	≥80.0%
CaO	7.0%	Magnetic content	Black
Magnetic content	≤0.1%	Particle appearance:	colorless, glass transparent without impurities, Round and smooth
Others	0.016		



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Glass beads



Advantage	Application Industry
<p>1. Consistent finish: Abrasive Glass Beads are consistent in size, density and shape, which allows for consistent finishing results.</p> <p>2. Reusability: They can be used multiple times before they lose their efficiency.</p> <p>3. Eco-friendliness: Unlike traditional blasting materials such as aluminum oxide and steel grit, Glass Beads are environmentally friendly, emit no harmful contaminants, and can be easily cleaned up.</p> <p>4. Surface friendly: Abrasive Glass Beads are gentle on surfaces and will not damage or alter the substrate material.</p>	<p>Abrasive Glass Beads are widely used in various industries for surface finishing, shot blasting, and peening applications. Some of the common industries include:</p> <ol style="list-style-type: none"> 1. Aerospace 2. Automotive 3. Electronics 4. Construction 5. Marine 6. Medical 7. Petrochemical 8. Power generation and more.



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Packaging Details:

- 1) 25kg/pp(paper) bag, 40 bags in one ton bag.
 - 2) 25 kg/pp(paper)bag, then 40 bags on one pallet
- Generally, one 20GP can load 25 tons, 27 tons at most. All packages are lined with waterproof materials. We can also pack the products as you requirements.

Delivery Detail:

In 7 days after advanced payment.

Notice:

- 1) Store in a dry place. No safety risk but oxidation and aggregation may occur in the presence of moisture. Handle with care to avoid damage to packaging to avoid spillage.
- 2) Lifetime: it is 2500-2800 times in the normal condition.
- 3) Our package is moisture-proof bag.



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