

High Density Refractory Raw Material Zirconium Powder Zircon Powder

Our Product Introduction

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Basic Information

- Place of Origin: Zhengzhou, Henan, China
- Brand Name: Rongsheng Xinwei
- Certification: ISO Certification
- Model Number: 325mesh
- Minimum Order Quantity: 1 Ton
- Price: 200-800 USD
- Packaging Details: packed on wooden pallets, with water-proof cover, and tightened with plastic/steel bandages
- Delivery Time: 20-30DAYS
- Payment Terms: TT; L/C
- Supply Ability: 2000tons /month



Product Specification

- Abrasion Resistance: High Abrasion Resistance, Low Abrasion Resistance
- Chemical Resistance: High Chemical Resistance, Low Chemical Resistance
- Color: White, Grey, Black, Red, Yellow, Green, Blue
- Compressive Strength: High Compressive Strength, Low Compressive Strength
- Density: High Density, Low Density
- Flexural Strength: High Flexural Strength, Low Flexural Strength
- Material: Refractory Raw Material
- Refractoriness: High Refractoriness, Low Refractoriness
- Shape: Block, Brick, Cone, Cube, Disc, Granular, Lump, Plate, Powder, Rod, Slab
- Size: Customized
- Temperature: High Temperature, Low Temperature
- Thermal Conductivity: High Thermal Conductivity, Low Thermal Conductivity



Product Description

Description of Hot Selling High Quality Zirconium Powder / Zircon Powder

Zircon is extremely resistant to high temperatures, with a melting point of 2750, and is resistant to acid corrosion. 80% of the zircon in the world is directly used in the foundry industry, ceramics, glass industry and the manufacture of refractories. A small amount of zircon is used in ferroalloy, medicine, paint, tanning, abrasives, chemical and nuclear industries. A very small amount of zircon is used to smelt metal zirconium. The zircon sand containing ZrO₂65~66% is due to its melting point (melting point above 2500)

Features of Zirconium Powder / Zircon Powder

- 1.High refractoriness. Melting point up to 2100-2300 .
- 2.Thermal resistance and chemical stability at high temperatures.
- 3.Neutral PH with low acidity.
- 4.High cleanness and good round grain shape.

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5.Good grain size and fineness consistency.

6.High ability to bind with binders include both organic and inorganic ones.

7.Very low thermal expansion coefficient.

8.High thermal conductivity.

9.Low wettability.

The advantage of Zircon Powder For Ceramic

1. Good chemical stability and low wettability prevent sand sticking on castings. It can avoid metal penetration into the mould.
2. Low thermal expansion coefficient make casting precise shape and prevent casting unshaped.
3. Get better surface finish of metal/steel casting.
4. High Recyclability.
5. Low wettability and high chemical stability will get recycled sand easy to clean and get uniform particles.

Application of High Quality Zirconium Powder / Zircon Powder

It is used in a variety of applications, including ceramic frits, foundry mould coatings, ceramic shells for investment casting, refractories, friction products, insulating fibres and glass.

Pareameter of Hot Selling High Quality Zirconium Powder / Zircon Powder

Item	Typical Value(325mesh)
ZrO ₂ %	66.24
SiO ₂ %	32.65
Fe ₂ O ₃ %	0.05
Al ₂ O ₃ %	0.25
TiO ₂ %	0.11
CaO %	0.03
D10	6.32
D50	23.76
D90	53.56
325mesh passing rate %	95.4



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