

## Ceramic Glass Refractory Raw Material Industrial Grade Zirconium Silicate 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: Rongsheng Zirconium Silicate
- 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



### Product Specification

- Acid Resistance: Good
- Alkali Resistance: Good
- Cold Crushing Strength:  $\geq 110\text{MPa}$
- Color: White, Gray, Brown, Etc.
- Density: 2.5-3.2 G/cm<sup>3</sup>
- Moisture Content:  $\leq 1.5\%$
- Packaging: 25kg/bag, 50kg/bag, Etc.
- Porosity:  $\leq 20\%$
- Refractoriness: 1700-1790
- Refractoriness Under Load: 1400-1550
- Shape: Powder, Granular, Block, Etc.
- Size: 0-3mm, 0-5mm, 0-10mm, Etc.
- Thermal Shock Resistance: Good
- Type: Refractory Raw Material
- Highlight: **Ceramic Glass Refractory Raw Material,**

### Product Description

Top Quality Industrial Grade Zirconium Silicate for Ceramic and Glass

#### Introduction of Zirconium silicate

Zirconium silicate is a non-toxic, odorless white or off-white powder. It has a high refractive index of 1.93-2.01 and stable chemical performance, so it is widely used in the production of various building ceramics, sanitary ceramics, daily ceramics and first-class handicraft ceramics.

#### Application of Zirconium silicate

1. Used as an excellent opacifying agent in ceramics, opalescent glazes, paint intensifiers, etc;
2. Used as a raw material for the special glass and porcelain, and a filler for special rubber-reinforced resin;
3. Used in the production of high-grade ceramic glazes, high-grade refractory fibers, TV display screens and other production fields;

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# APPLICATION



Refractory



Table ware



Ceramic tiles



Sanitary ware



Glass



Ceramic craft

## Parameter of Zirconium Silicate for Ceramic and Glass

Item	Specification
ZrO <sub>2</sub> +HfO <sub>2</sub> %	≥65.5
Fe <sub>2</sub> O <sub>3</sub> %	≤0.08
TiO <sub>2</sub> %	≤0.12
Al <sub>2</sub> O <sub>3</sub> %	≤0.15
SiO <sub>2</sub> %	≤32.7
Specific Gravity	4.69
Melting Point	2500
Refractive Index %	1.97
Mohs Hardness	7.5
Coefficient of thermal expansion ×10 <sup>-6</sup> /	4.2
Appearance	White or Off- white powder



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