

## Industrial-Grade Fused Stabilized Zirconia for Thermal and Chemical Resistance

Our Product Introduction

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### Basic Information

- Place of Origin: Zhengzhou ,China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: Rongsheng
- Minimum Order Quantity: 1 Ton
- Price: 200-800USD
- Packaging Details: Packed on wooden pallets, with water-proof cover, and tightened with plastic/steel bandages
- Delivery Time: 10-20 Days
- Payment Terms: TT; L/C
- Supply Ability: 2000tons /month



### Product Specification

- Highlight: Fused Stabilized Zirconia,  
Industrial-Grade Fused Stabilized Zirconia,  
Chemical Resistance Fused Stabilized Zirconia

Our Product Introduction

### Product Description

#### Our Product Range in Stabilized Zirconia:

We offer a wide selection of stabilized zirconia products, including Fused Calcia Stabilized Zirconia, Fused Magnesium Stabilized Zirconia, and Fused Yttrium Stabilized Zirconia, catering to various industrial applications.

# Fused Stabilized Zirconia

Fused Calcia / Magnesia / Yttrium Stabilized Zirconia



## Fused Calcia Stabilized Zirconia

Produced using high-quality zirconia with calcium oxide as a stabilizer and our proprietary technique, this material is ideal for manufacturing diverse zirconia ceramics and refractories. Applications include:

Refractory setters for the electro-ceramic industry  
Sizing nozzles and sliding plates  
Submerged nozzles and zirconia hollow ball products  
High-performance zirconia furnace furniture

## Fused Magnesium Stabilized Zirconia

This material is crafted from ultra-pure zirconia stabilized with magnesium oxide. It is designed for specialized ceramic applications, such as:

Grinding media  
Sizing nozzles and metallurgical slide plates  
Zirconium rings and precision ceramic structural components

## Fused Yttrium Stabilized Zirconia

Developed from high-purity zircon stabilized with yttrium oxide, this material is used in advanced ceramic products, including:

Zirconia grinding media  
Refractory setters for the electro-ceramic industry  
Continuous casting nozzles and monolithic stoppers  
Plasma spraying components and zirconia oxygen sensors

Each product is engineered to deliver exceptional performance, meeting the demands of high-tech and refractory applications.

### Physical and Chemical Properties of Fused Calcia Stabilized Zirconia:

Item	Chemical Composition(%)						Stabilized Rate(%)
	ZrO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	TiO <sub>2</sub>	CaO	
HRC	≥94	≤0.3	≤0.1	≤0.4	≤0.2	3.0-4.5	70-90
Size	According to Customers Requirement						

### Physical and Chemical Properties of Fused Magnesium Stabilized Zirconia:

Item	Chemical Composition(%)						Stabilized Rate(%)
	ZrO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	TiO <sub>2</sub>	MgO	
HRV	≥94	≤4	≤0.1	≤0.4	≤0.2	2.8-4	70-90
Size	According to Customers Requirement						

### Physical and Chemical Properties of Fused Yttrium Stabilized Zirconia:

Item	Chemical Composition(%)						Stabilized Rate(%)
	ZrO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Y <sub>2</sub> O <sub>3</sub>	CaO	
HRV	≥95	≤0.2	≤0.15	≤0.3	1.0-1.5	3.0-4.0	70-90
Size	According to Customers Requirement						



**Henan Rongsheng Xinwei New Materials Research Institute Co., Ltd**



+86-18538509097



Jackyhan2023@outlook.com



bricksrefractory.com

11th Floors, Building 6, China Central Electronic Commerce Port, Daxue Road, Zhengzhou, Henan, China