

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 ₂	Al ₂ O ₃	Fe ₂ O ₃	SiO ₂	TiO ₂	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 ₂	Al ₂ O ₃	Fe ₂ O ₃	SiO ₂	TiO ₂	MgO	
HRY	≥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 ₂	Al ₂ O ₃	Fe ₂ O ₃	SiO ₂	Y ₂ O ₂	CaO	
HRY	≥95	≤0.2	≤0.15	≤0.3	1.0-1.5	3.0-4.0	70-90
Size	According to Customers Requirement						



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