

High-Purity Silica Refractory Castable With Superior Durability And Thermal Stability For Demanding Environments

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: 20-30 Days
- Payment Terms: TT; L/C
- Supply Ability: 2000 tons/month



Product Specification

- Highlight: High Purity Silica Refractory Castable, Thermal Stability Refractory Castable, Superior Durability Refractory Castable

Our Product Introduction

Product Description

Product Specification of High-Purity Silica Refractory Castable With Superior Durability And Thermal Stability For Demanding Environments

Our Advanced Silica Refractory Castable is engineered for high-temperature applications where exceptional heat resistance and mechanical strength are paramount. Formulated with high-purity silica, this castable is ideal for industries requiring reliable performance in extreme thermal environments, such as the glass, steel, and petrochemical sectors.

**Key Features of High-Purity Silica Refractory Castable**

Superior Heat Resistance: The high silica content provides outstanding resistance to temperatures exceeding 1600°C, ensuring that the castable maintains its integrity and performance under extreme conditions.

Excellent Thermal Stability: This castable is designed to resist thermal shock and spalling, making it ideal for applications that involve rapid temperature changes.

Enhanced Mechanical Strength: With a robust formulation, the silica refractory castable offers high mechanical strength, allowing it to withstand heavy loads and abrasive conditions without compromising its structural integrity.

Chemical Resistance: The castable exhibits excellent resistance to chemical attack, particularly from acidic environments, ensuring long-lasting durability in challenging industrial settings.

Applications of High-Purity Silica Refractory Castable

Our Silica Refractory Castable is versatile and suitable for a wide range of high-temperature applications, including but not limited to:

Glass Furnaces: Ideal for lining the walls and roofs of glass furnaces, where high resistance to thermal shock and chemical attack is essential.

Coke Ovens: Provides superior performance in coke ovens, ensuring reliable protection against high temperatures and aggressive atmospheres.

Ceramic Kilns: Perfect for use in ceramic kilns, offering excellent heat resistance and durability during prolonged high-temperature operations.

Petrochemical Processing: Suitable for lining reactors and other equipment in the petrochemical industry, where resistance to thermal cycling and corrosive environments is critical.

Advantages of High-Purity Silica Refractory Castable

Longevity and Reliability: The advanced silica formulation ensures a long service life, reducing maintenance costs and operational downtime.

Energy Efficiency: The castable's excellent insulating properties help in minimizing heat loss, contributing to energy savings and improved operational efficiency.

Ease of Application: Designed for convenient mixing and application, this castable can be easily installed using standard casting techniques, making it a practical choice for industrial operators.

Technical Specifications of High-Purity Silica Refractory Castable

Item	Si-1	Si-2	Si-3
Refractoriness	1700	1600	170
Binding time >	1~2	1~2	2~3
0.2Mpa RUL °c	1600	1420	160
SiO ₂	≥94%		≥96%
Al ₂ O ₃		≥85%	≤0.6
Fe ₂ O ₃	≤1.0%		≤0.7
Grain size			
0.5mm	≤1	≤3	≤2
-0.074mm	≥60	≥50	≥60
Aplication	hot-blast furnace	coke oven	glass fu

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