

## Sintered Mullite Insulation Brick Insulating Refractory Brick High Abrasion Resistance

Our Product Introduction

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### Basic Information

- Place of Origin: Zhengzhou ,China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: SM65, SM70, SM75, SM80
- 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: 20-30DAYS
- Payment Terms: TT; L/C
- Supply Ability: 2000tons /month



### Product Specification

- Abrasion Resistance: High
- Application: Furnace
- Chemical Resistance: High
- Color: White
- Corrosion Resistance: High
- Density: High
- Material: Alumina
- Refractoriness: High
- Shape: Brick
- Size: Standard
- Strength: High
- Temperature: High
- Thermal Conductivity: High
- Thermal Expansion: Low
- Thermal Shock Resistance: High

Our Product Introduction

### Product Description

Sintered Mullite Insulating Refractory Fire Brick

#### Description of Sintered Mullite Brick

Sintered mullite bricks are a type of high-temperature refractory material known for their excellent thermal stability and resistance to thermal shock. They are primarily composed of mullite crystals, which are formed through a sintering process involving raw materials like alumina and silica.

Sintered mullite bricks are primarily composed of mullite, a crystalline material made up of alumina ( $Al_2O_3$ ) and silica ( $SiO_2$ ). The specific composition may vary depending on the manufacturer and the intended application.

#### Features of Sintered Mullite Brick

High Temperature Stability  
Low Thermal Expansion  
Excellent Thermal Shock Resistance  
Chemical Inertness

#### Applications of Sintered Mullite Brick

They find applications in industries such as ceramics, glass, iron and steel, non-ferrous metals, and petrochemicals. They are used in furnaces, kilns, and other high-temperature equipment.

**Technical Parameter of Sintered Mullite Brick:**

Item	Index		
	SM65	SM70	SM75
Al <sub>2</sub> O <sub>3</sub> %	≥64	≥68	≥74
Fe <sub>2</sub> O <sub>3</sub> %	≤1.2	≤1.2	≤1.0
Apparent Porosity %	≤18	≤18	≤17
Bulk Density g/cm <sup>3</sup>	≥2.45	≥2.50	≥2.60
Cold Crushing Strength MPa	≥60	≥70	≥75
0.2Mpa Refractoriness Under Load	≥1580	≥1600	≥1650
Permanent Linear Change Rate % 1500 ×2h	-0.4~+0.1	-0.3~+0.1	



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