

## High Performance High Temperature Durable Mullite Bricks For Cement Industry

### Our Product Introduction

#### Basic Information

- Place of Origin: Zhengzhou ,China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: HTM-1350, HTM-1450, HTM-1500, HTM-26, HTM-28, HTM-30, HTM-32
- 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: **Durable Mullite Bricks,  
High Temperature Mullite Bricks,  
Mullite Bricks For Cement Industry**

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## Product Description

### Product Introduction of High Performance High-Temperature Durable Mullite Bricks For The Cement Industry

High-Temperature Mullite Brick is a new energy-saving refractory material introduced with advanced technology. It features high-temperature resistance, high strength, low thermal conductivity, and significant energy-saving effects. This product is suitable for use in petroleum cracking furnaces, metallurgical hot blast stoves, ceramic roller kilns, tunnel kilns, electrical porcelain drawer kilns, glass crucible kilns, and various electric furnace linings. It can directly come into contact with flames, and after testing by relevant technical supervision departments and practical usage, the product meets the technical standards of similar foreign products.

Mullite bricks are primarily made from mullite raw materials, with the addition of alumina powder, calcined powder, clay, and a certain proportion of burning loss agents. These materials undergo forming and firing to produce the final product. Mullite bricks have advantages such as low density, low thermal conductivity, high-temperature resistance, and high strength. They are widely used as linings for hot blast stoves, glass crucibles, low-temperature tunnel kilns, roller kilns, and shuttle kilns, offering broad application prospects.



### Product Applications of High Performance High-Temperature Durable Mullite Bricks:

Widely used as linings for hot blast stoves, glass crucibles, low-temperature tunnel kilns, roller kilns, and shuttle kilns, among other applications.

### Product Physical and Chemical Properties:

Specification	HTM-1350	HTM-1450	HTM-1500	HTM-26	HTM-28	HTM-30	HTM-32
Al <sub>2</sub> O <sub>3</sub> % ≥	50	58	65	62	75	85	90
SiO <sub>2</sub> % ≤	43	38	33				
Fe <sub>2</sub> O <sub>3</sub> % ≤	1	0.7	0.7	0.7	0.6	0.5	0.4
Long-term Use Temperature ≥	1350	1400	1500	1430	1540	1650	1760
Bulk Density g/cm <sup>3</sup>	0.8-1.0	0.8-1.0	0.9-1.0	1.0	1.0-1.2	1.2-1.6	1.6-2.9
Cold Crushing Strength MPa≥	3	4	5	1.6	2.1	2.5	3.5
Refractoriness Change %	1350 ×4h 0.5	1400 ×4h 0.5	1500 ×4h 0.5	1400 ×24h 0.4	1510 ×24h 0.5	1620 ×24h 0.9	1730 ×24h 0.9
Thermal Conductivity W/m·K ≤	0.4	0.4	0.4	0.35	0.41	0.47	0.56
Load Softening Temperature 0.3MPa≥	1300	1350	1450				



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