High Temperature Performance Blast Furnace Waist Mullite Refractory Brick

Our Product Introduction

Basic Information

- Place of Origin: Zhengzhou, China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: Rongsheng
- Minimum Order Quantity: 1 Ton
- Price: 200-800 USD
- 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: **Blast Furnace Waist Mullite Refractory Brick**, **High Temperature Mullite Refractory Brick**

Our Product Introduction

Product Description

High Temperature Performance Blast Furnace Waist Mullite Refractory Brick Fot Hot Sale

Product Description of High Temperature Performance Blast Furnace Waist Mullite Refractory Brick Fot Hot Sale

The corundum bricks produced by Rongsheng feature low impurity content, high strength, and excellent stability at high temperatures. The corundum-mullite bricks are particularly well-received by users. In recent years, Rongsheng upgraded its firing process by replacing traditional tunnel kilns with connected shuttle kilns, allowing for higher firing temperatures. This enhancement has effectively ensured that all performance indicators of Rongsheng's corundum-mullite bricks are met, delivering outstanding usage results.

Corundum bricks are refractory products with an alumina content greater than 90%, with corundum as the main crystal phase. They exhibit very high compressive strength at room temperature (generally above 80 MPa), a high initial softening temperature under load (above 1700°C), and excellent chemical stability, providing strong resistance to acidic or basic slags, metals, and molten glass.

For blast furnace applications in the current steel smelting industry, Rongsheng's corundum-mullite bricks offer the following advantages:

Excellent high-temperature performance, with good thermal stability at prolonged high temperatures.
High strength at both room and high temperatures, along with good wear resistance.
High density, good thermal conductivity, low apparent porosity, and minimal shrinkage at high temperatures.
Resistance to intense erosion and corrosion by molten iron, slag, blast furnace gas, and dust under high temperature and high pressure.
Accurate brick dimensions, ensuring that the brick joints meet specified requirements.
As a result, many customers choose Rongsheng's mullite refractory bricks for blast furnace belly, bottom, and shaft applications.

Physicochemical Indicators of Blast Furnace Low Porosity Refractory Bricks:

Item	75% Mullite Brick	70% Mullite Brick	65% Sillimanite Brick	60% Sillimanite Brick	55% Sillimanite Brick
Al_2O_3%	≥75	≥70	≥65	≥60	≥55
SiO_2%	≤23	≤25	≤32	≤37	≤42
Fe_2O_3%	≤0.5	≤0.8	≤1.0	≤1	≤1.5
TiO_2%	-	-	-	-	-
$K_2O + Na_2O$%	-	-	-	-	-
Bulk Density (g/cm³)	≥2.7	≥2.6	≥2.5	≥2.3	≥2.3
Apparent Porosity (%)	≤18	≤18	≤18	≤19	≤20
Cold Crushing Strength (MPa)	≥80	≥65	≥60	≥60	≥50
Refractories Under Load (°C, 0.2MPa, 0.6%)	≥1680	≥1680	≥1650	≥1600	≥1580

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