

## Low Porosity Refractory Bricks Produced By Rongsheng Refractory For Blast Furnace

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: 2000 tons/month



### Product Specification

- Highlight: Blast Furnace Refractory Bricks, Rongsheng Refractory Bricks, Low Porosity Refractory Bricks

### Product Description

#### Product Description of Low Porosity Refractory Bricks Produced By Rongsheng Refractory For Blast Furnace

The furnace shaft is an essential part of the blast furnace, playing a role in heating, reducing, and slag formation of the furnace charge. It continuously endures the impact of gas flow and material flow. However, the upper and middle sections of the furnace shaft experience lower temperatures (400–800°C), where no slag formation or slag erosion occurs. This area mainly withstands the impact of the furnace charge, the abrasion from rising furnace dust, or thermal shocks (up to 50°C/min), as well as potential damage from infiltration by alkali, zinc, or carbon deposits. Therefore, this section primarily uses low-porosity clay bricks and high-alumina bricks.

The low-porosity refractory bricks produced by Rongsheng Refractory also include mullite bricks, corundum-mullite bricks, sillimanite bricks, and andalusite bricks.

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**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 <sub>2</sub> O <sub>3</sub> %	≥75	≥70	≥65	≥60	≥55
SiO <sub>2</sub> %	≤23	≤25	≤32	≤37	≤42
Fe <sub>2</sub> O <sub>3</sub> %	≤0.5	≤0.8	≤1.0	≤1	≤1.5
TiO <sub>2</sub> %	-	-	-	-	-
K <sub>2</sub> O + Na <sub>2</sub> O%	-	-	-	-	-
Bulk Density (g/cm <sup>3</sup> )	≥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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