

Thermal Shock Resistance Corundum Bricks In Ironmaking Blast Furnace Lining

Our Product Introduction

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Basic Information

- Place of Origin: Zhengzhou, China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: Dense Corundum Brick
- 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: Thermal Shock Resistance Corundum Bricks, Corundum Bricks in Blast Furnace Lining



More Images



Product Description

Rongsheng Factory Supply Corundum Bricks Suitable For Use in Ironmaking Blast Furnace Lining

Product Description of Rongsheng Factory Supply Corundum Bricks Suitable For Use in Ironmaking Blast Furnace Lining

Corundum bricks refer to refractory products with an alumina content greater than 90% and corundum as the primary crystal phase. They have very high compressive strength at room temperature (up to 340 MPa), a high initial softening temperature under load (above 1700°C), and excellent chemical stability, offering strong resistance to acidic or basic slags, metals, and molten glass.

In terms of current market applications, corundum bricks are widely used in the lower part of blast furnaces, as well as in the belly and bosh areas.

The raw materials for corundum bricks are composed of alumina and chromium oxide mixed in a specific ratio, forming a solid solution after high-temperature fusion. Using a special refractory production process to make

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these bricks improves their internal quality and enhances their high-temperature performance. Some high-performance corundum bricks developed and produced by Rongsheng Refractory have reached the physical and chemical performance indicators of similar foreign products. These bricks demonstrate excellent performance, meet the quality standards of foreign counterparts, and can replace imported refractory materials in applications.



Parameter of Dense High Purity Corundum Brick For Use in ining of Ironmaking Blast Furnace

Item	Index
Al ₂ O ₃ %	≥99
SiO ₂ %	≤0.15
Fe ₂ O ₃ %	≤0.12
Bulk Density g/cm ³	≥3.2
Apparent Porosity %	≤16
Cold Crushing Strength MPa	≥100
0.2Mpa Refractoriness Under Load	≥1700
Permanent Linear Change Rate % 1600 ×3h	±0.2
Thermal shock resistance cycle 1100 water cooling	≥5



Henan Rongsheng Xinwei New Materials Research Institute Co., Ltd



+86-18538509097



Jackyhan2023@outlook.com



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11th Floors, Building 6, China Central Electronic Commerce Port, Daxue Road, Zhengzhou, Henan, China