

Steelmaking High Alumina Refractory Brick High Percentage Alumina Ceramic Brick

Our Product Introduction

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Basic Information

- Place of Origin: Zhengzhou ,China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: RS-48, RS-55, RS-65, RS-75, RS-80
- 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

- Alumina Content: $\geq 48\%$
- Application: Cement Kiln, Glass Kiln, Metallurgical Furnace
- Bulk Density: $\geq 2.2\text{g/cm}^3$
- Chemical Resistance: Good
- Cold Crushing Strength: $\geq 50\text{MPa}$
- Color: Red
- Material: High Alumina Refractory Brick
- Packaging: Wooden Box Or Pallet
- Porosity: $\leq 23\%$
- Refractoriness Under Load: ≥ 1700
- Shape: Rectangle
- Size: Customized
- Temperature: 1700-1800
- Thermal Shock Resistance: Good



Product Description

Description of High Percentage Alumina Ceramic Bricks High Alumina Refractory Brick For Steelmaking Electric Furnaces

High alumina brick is a refractory material composed of over 48% alumina oxide, classified as an alumina-silicate. It is produced through the calcination and molding of bauxite or materials rich in Al_2O_3 . Exhibiting exceptional thermal stability, it boasts a refractoriness exceeding 1770 . With superior resistance to slag, it finds applications in lining steelmaking electric furnaces, glass kilns, and cement rotary kilns.

Our Product Introduction



HIGH ALUMINA BRICK FEATURE

- 01 High fire resistance
- 02 Less impurity
- 03 High pressure resistance
- 04 Good wear resistance



Features of High Percentage Alumina Ceramic Bricks High Alumina Refractory Brick for Steelmaking Electric Furnaces

1. Alumina Content > 48%
2. Exceptional Thermal Stability (>1770)
3. Superior Slag Resistance
4. Low Thermal Conductivity
5. Chemical Inertness
6. High Compressive Strength
7. Versatile Applications
8. Customizable Shapes and Sizes
9. Long Service Life
10. Consistent Performance

Applications of High Alumina Refractory Brick for Steelmaking Electric Furnaces

Iron and Steel Industry
Cement Production
Glass Manufacturing
Petrochemical Industry
Incinerators
Power Plants
Foundries
Non-Ferrous Metals Industry
Aluminum Smelting
Chemical Processing Plants

Alumina Ceramic Bricks High Alumina Refractory Brick For Steelmaking Electric Furnaces Specification

Product Specification of High Alumina Refractory Brick					
Item		Properties			
		RS-80	RS-75	RS-65	RS-55
Al ₂ O ₃ (%)		80	≥75	≥65	≥55
Refractoriness (°C)		≥1790	≥1790	≥1790	≥1770
Bulk density (g/cm ³)		2.65	2.5	2.45	2.4
Softening temperature under load (°C)		1530	≥1520	≥1500	≥1470
Linear changes on reheating (%)	1500°CX2H	0.1	0.1	0.1	0.1
	1450°CX2H	-0.4	-0.4	-0.4	-0.4
Apparent porosity (%)		22	≤23	≤23	≤22
Cold crushing strength (Mpa)		55	≥50	≥45	≥40
Application		steel furnace, glass furnace, sodium silicate furnace, ceramic shuttle kiln, cement rotary kiln, blast furnace and reverberatory furnace.			



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