

High Alumina Refractory Brick Aluminum Oxide Fire Brick For Blast Furnace And Electric Furnace

Our Product Introduction

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Basic Information

- Place of Origin: Zhengzhou ,China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: LZ-48, LZ-55, LZ-65, LZ-70, LZ-75, LZ-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

- Al₂O₃ Content: ≥48%
- Application Temperature: ≤1400
- Bulk Density: 2.2-3.2g/cm³
- Cold Crushing Strength: 40-100MPa
- Color: White/Gray/Brown/Black/Yellow/Green/Blue/F
- Density: 2.2-3.2g/cm³
- Fe₂O₃ Content: ≤3.5%
- Material: High Alumina Refractory Brick
- Porosity: ≤20%
- Refractoriness: ≥1700
- Refractoriness Under Load: ≥1400
- Shape: Square/Rectangle/Circle/Arch/Customized
- SiO₂ Content: ≤40%
- Size: Customized
- Thermal Shock Resistance: Good



More Images



Product Description

Product Description of High Alumina Refractory Brick Aluminum Oxide Fire Brick For Blast Furnace And Electric Furnace

High alumina brick is a kind of neutral refractory with alumina content above 48%. It is formed by shaping and calcining bauxite or other raw materials with high alumina content. High thermal stability and fire resistance above 1770 .

The production process of high alumina bricks is similar to that of multi clinker clay bricks. The difference is that the proportion of clinker in the ingredients is high, up to 90~95%. Before crushing, the clinker needs to be sorted and screened to remove iron. The firing temperature is high. For example, when high alumina bricks such as I and II are fired in tunnel kilns, it is generally 1500~1600 .

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Feature of high alumina bricks

- 1. Good thermal conductivity.
- 2. High fire resistance.
- 3. Good slag resistance, acid and alkali resistance.
- 4. Thermal stability.

Appliaction Of High Alumina Refractory Brick Aluminum Oxide Fire Brick For Blast Furnace And Electric Furnace

As a basic material in the field of high-temperature technology, high alumina bricks are widely used in cement, glass building materials, steel smelting, petrochemical and other industries. High temperature industrial furnaces for high alumina bricks include blast furnace, hot blast furnace, electric furnace, blast furnace, reverberatory furnace and rotary kiln lining. In addition, high alumina bricks can also be processed into open hearth regenerative grid bricks, socket bricks for pouring system, nozzle bricks, etc. according to the requirements of industrial furnaces.

Product Specification of aluminum oxide fire alumina brick high alumina content furnaces bricks

Item	Specification					
	LZ-80	LZ-75	LZ-70	LZ-65	LZ-55	
Al ₂ O ₃ %	≥80	≥75	≥70	≥65	≥55	
Apparent Porosity, %	≤21	≤24	≤24	≤24	≤22	
CCS, MPa	≥70	≥60	≥55	≥50	≥45	
0.2MPa RUL	≥1530	≥1520	≥1510	≥1500	≥1450	
PLC, %	1500 ×2h			1450 ×2h		
	-0.4~0.2			-0.4~0.1		



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