

High Temperature Resistance High Alumina Brick Curved Arched Fire Brick Insulating Fireclay Refractory For furnace

Our Product Introduction

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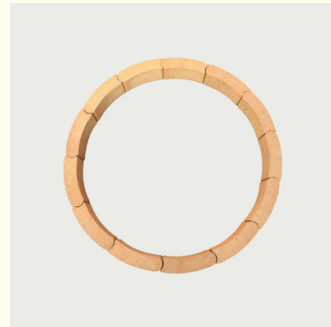
Basic Information

- 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

- Application Temperature: ≤ 1400
- Bulk Density: $\geq 2.0\text{g/cm}^3$
- Chemical Composition: $\text{Al}_2\text{O}_3 \geq 60\%$
- Cold Crushing Strength: $\geq 20\text{MPa}$
- Color: Red
- Compressive Strength: $\geq 50\text{MPa}$
- Density: $2.4-2.6\text{g/cm}^3$
- Linear Change Rate: $\leq 0.2\%$
- Material: High Alumina Refractory Brick
- Porosity: $\leq 18\%$
- Refractoriness: ≥ 1700
- Shape: Rectangular
- Size: Standard
- Thermal Conductivity: $\leq 1.2\text{W/m.K}$
- Thermal Shock Resistance: Good



More Images



Product Description

Description of High Temperature resistance High Alumina Brick Curved Arched Fire Brick Insulating Fireclay Refractory For furnace

High alumina bricks refer to aluminosilicate refractory products with aluminum oxide (Al_2O_3) content higher than 48%. It belongs to neutral refractory material. It is formed by shaping and calcining bauxite or other raw materials with high alumina content. High thermal stability and fire resistance above 1770 . It has good slag resistance and is used for lining steel making electric furnace, glass furnace, cement rotary furnace, etc.

High load soft and low creep high alumina brick is a high-grade refractory material made of special grade bauxite, fused corundum and fused mullite. The product has the advantages of small high-temperature creep, strong corrosion resistance, good thermal shock stability, etc. It is suitable for large and medium-sized hot blast furnaces.

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Advantage of High Temperature resistance High Alumina Brick Curved Arched Fire Brick Insulating Fireclay Refractory For furnace

1. High refractoriness;
2. High temperature strength;
3. High thermal stability;
4. Neutral refractory;
5. Good resistance to acid and basic slag corrosion;
6. High refractoriness under load;
7. High temperature creep resistance;
8. Low apparent porosity;

Application of High Temperature resistance High Alumina Brick Curved Arched Fire Brick Insulating Fireclay Refractory For 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.

Parameter of High Alumina Brick Curved Arched Fire Brick Insulating Fireclay Refractory For furnace

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
		-0.4	-0.4	-0.4	-0.4
	1450°CX2H				
Apparent porosity (%)		22	≤23	≤23	≤22
Cold crushing strength (Mpa)		55	≥50	≥45	≥40



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