

50% Al₂O₃ High Alumina Refractory Brick Low Iron Impurities Kiln Fired Bricks

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: High
- Application Temperature: 1400-1700
- Bulk Density: 2.5-2.8g/cm³
- Cold Crushing Strength: ≥45MPa
- Color: Gray
- Compressive Strength: ≥60MPa
- Porosity: ≤20%
- Refractoriness: High
- Resistance To Corrosion: Excellent
- Resistance To Spalling: Excellent
- Service Life: Long
- Shape: Brick
- Size: Customized
- Thermal Conductivity: Low
- Thermal Shock Resistance: Excellent

Product Description

Best Selling 50% Al₂O₃ high alumina brick High Strength, High Compressive Strength, Low Iron Impurities

High Alumina Bricks are refractory materials composed of over 48% Al₂O₃ content. They are manufactured by molding and firing alumina or raw materials with elevated alumina content. These bricks possess a neutral refractory property, enabling them to withstand acid slag erosion. With a high thermal stability, they exhibit a refractoriness exceeding 1770 .

These bricks demonstrate exceptional qualities including elevated refractoriness, robust strength, resistance to acid and washing erosion, and reliable thermal stability, among others.

High alumina bricks are available in a variety of shapes and sizes to meet the specific needs of different applications. They are also available in a variety of grades, depending on the required refractoriness and other properties.

Our Product Introduction



According to different Al₂O₃ content, High Alumina Bricks can be classified into Three Grades in China.

* Grade I High Alumina Bricks have more than 75% Al₂O₃ content.

* Grade II High Alumina Bricks have 60~75% Al₂O₃ content.

* Grade III High Alumina Bricks have 48~60% Al₂O₃ content.

Product Features of Best Selling 50% Al₂O₃ hight alumina brick

Excellent strength at ambient and elevated temperatures. High compressive strength.

Very low levels of iron and other impurities. Lightweight and energy-efficient.

Lower heat storage than denser refractory.

Heats quickly and economically to operating temperature.

Please send us your inquiry for more details.

We will reply you within 24 hours.

Applicaion of Best Selling 50% Al₂O₃ hight alumina brick

Blast furnaces
Converters
Electric arc furnaces
Open hearth furnaces
Ladles
Tundishes
Cement kilns
Lime kilns
Glass furnaces
Chemical reactors
Furnaces
Boilers
Incinerators
Chimneys
Kilns

Product Specification of Best Selling 50% Al₂O₃ hight alumina brick

Item		Properties				
		RS-80	RS-75	RS-65	RS-55	
Al2O3 (%)		80	≥75	≥65	≥55	
Refractoriness (°C)		≥1790	≥1790	≥1790	≥1770	
Bulk density (g/cm3)		2.65	2.5	2.45	2.4	
Softening temperature under load (°C)		1530	≥1520	≥1500	≥1470	
Reheating Linear changes Rate (%)	1500°CX 2H	0.1	0.1	0.1	0.1	
	1450°CX 2H	-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, electric furnace and reverberatory furnace.				
We also can make brick according to customers' drawing and requirements.						



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