

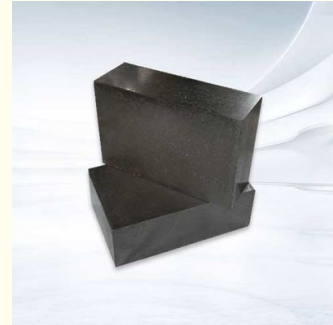
Premium Blast Furnace Alumina Carbon Brick With Unmatched Durability And Thermal Shock Resistance

Our Product Introduction

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Basic Information

- Place of Origin: Zhengzhou, China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: Rongsheng
- 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: Premium Blast Furnace Alumina Carbon Brick, Blast Furnace Alumina Carbon Brick



Product Description

Product Description of Premium Blast Furnace Alumina Carbon Brick With Unmatched Durability And Thermal Shock Resistance

The lower section of the furnace body operates at higher temperatures and is a region with intense heat exchange. In this area, a significant amount of low-melting substances forms, and the furnace faces abrasion from the descending hot charge, erosion caused by dust as the gas rises, and corrosion from alkali metal vapors. Consequently, this part of the furnace is particularly vulnerable to wear and damage. In extreme cases, the entire cooler may be eroded, leaving only the steel shell to provide support. Therefore, it is crucial to use blast furnace alumina carbon bricks that offer exceptional resistance to slag, alkali, high-temperature strength, and superior wear resistance.

Our Product Introduction



Alumina Carbon Bricks Features

1. Porosity is low and air permeability is low.
2. High pressure strength, high thermal conductivity.
3. Anti-slag, anti-alkali, anti-erosion ability.
4. Thermal shock stability is good.

Applications of Alumina Carbon Refractory Bricks

Widely utilized as sliding gates and plates for continuous casting, as well as for long nozzles, submerged nozzles, upper and lower nozzle bricks, and integral stoppers.

Employed in continuous casting tundishes and as integral stoppers for sliding gates.

Applied as linings for hot metal pretreatment and steel processing.

Product Specification of Premium Blast Furnace Alumina Carbon Brick With Unmatched Durability And Thermal Shock Resistance

Material Name	Blast Furnace Aluminum Carbon B
	WLT-2
Al ₂ O ₃ %	≥60
C%	≥11
TFE%	≤1.5
Apparent Porosity, %	≤17
Bulk Density, g/cm ³	≥2.65
Compressive Strength at Room Temperature, MPa	≥60
Slagging Index in Iron Water, %	≤3
Thermal Conductivity, w/m.k (0°C to 800°C)	≥13
Alkali Resistance (Strength Decrease Rate), %	≤10
Air Permeability, m Da	≤2.0
Average Pore Size, um	≤1.0
<1um, Pore Volume Fraction%	≥70



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