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

Basic Information

Place of Origin: Zhengzhou,ChinaBrand 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



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
Al2O3 %	≥60
C%	≥11
TFE%	≤1.5
Apparent Porosity, %	≤17
Bulk Density, g/cm³	≥2.65
Comressure Strength at Room Temperature, MPa	≥60
Slagging Index in Iron Water, %	≤3
hermal Conductivity, w/m.k (0°C to 800°C)	≥13
Alkali Resistance (Strength Decrease Rate), %	≤10
Air Permeability, m Da	≤2.0
verage Pore Size, um	≤1.0
<1um, Pore Volume Fraction%	≥70

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