

ZIBO JINGGAN REFRACTORY IMPORT AND EXPORT CO.,LTD

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High Alumina Brick For Blast Furnace



1,Description of High Alumina Brick for Blast Furnace:

The bauxite calcined in high density rotary kiln is used as the main raw material. It is shapped by a brick machine of more than 630 tons and sintered at high temperature from 1460℃-1480℃.The density of the product is over 2.65g/cm³ and the porosity is less than 19%. The products are widely used in blast furnace and other high temperature industrial furnaces due to their good corrosion resistance, high density, high temperature resistance, good slag corrosion resistance and low change rate of reburning line.

2,Index of High Alumina Brick for Blast Furnace:

Item	JGL-65	JGL-75
Al ₂ O ₃ %	>65	≥75
Fe ₂ O ₃ %	≤1.6	≤1.6
Refractoriness °C	1790℃	1790℃
Apparent porosity %	≤19	≤19
Bulk density g/cm ³	≥2.55	≥2.65
Cold crushing strength Mpa	≥70	≥75
Refractoriness under load KD,℃	1500	>1550

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Reheating linear change 1500℃×3h %	0~-0.2	0~-0.2
Used part	furnace bosh, furnace stack	

3,Product characteristics:

(1).The production technology of high alumina bricks has been improved. High density bauxite calcined in rotary kiln has been used and large tonnage moulding machine has been used to increase sintering temperature, The density of products has been increased from $\geq 2.5\text{g/cm}^3$ to $\geq 2.65\text{g/cm}^3$, and the porosity has been reduced from $\leq 24\%$ to $\leq 19\%$. Thus, the compactness of products has been greatly improved and the slag corrosion resistance of products has been improved, the application effect of blast furnace and other industrial furnaces is excellent.

(2).The product is light yellow with smooth surface, strong compactness and neat edges and corners.

(3).The products can be divided into lattice bricks for regenerator and straight bricks for wall, which can resist high temperature and flue gas corrosion well.

(4).The main crystalline phases of the product are corundum phase and mullite phase, which have low creep rate and low linear change rate at high temperature. That is to say, the product has stable performance at high temperature.

(5).Our company has been producing and supplying this product for more than ten years. We strictly control the product quality assurance system and provide high-quality products and good services for users.

4,Packaging of High Alumina Brick for Blast Furnace:

use safe, firm and moisture-proof packing suitable for land and sea transportation

5,Our service:

- 1)Provide free technical advice for users
- 2)Free for users to provide product application description
- 3)Free for users to provide product configuration design scheme
- 4)Free for users to provide sample,for user testing

6,Our advantages:

- 1)Professional,with more than 20 years of refractory production and operation, stronger technical exchanges and services
- 2)We have our own Refractory material product production cooperation factory
- 3)We have our own Graphite Electrode product production cooperation factory

7.Good feedback of product use effect,the products have been exported to South Korea, Japan, Pakistan, Russia, Australia, Oman, the United States, Kenya, Mexico, Morocco and India.

8.We are a professional supplier, who can provide customers with free product technology, use and other issues.

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Do you want to find a professional supplier of refractory products?

Do you want to find a professional supplier of graphite electrodes?

Do you want to find a stable and credible supplier?

Then let's contact with jinggan company

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