

ZIBO JINGGAN REFRACTORY IMPORT AND EXPORT CO.,LTD

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Alumina Hollow Ball Insulation Brick



1,Description of Alumina Hollow Ball Insulation Brick:

The Alumina Hollow Ball Insulation Brick made of fine ethylene ball as fillers is used as the working lining in the ultra-high temperature industrial furnace. The content of Al_2O_3 is over 95%, the high temperature resistance is over $1700^{\circ}C$, the product density is low, the thermal conductivity is good and the purity is high.

2,Index of Alumina Hollow Ball Insulation Brick

Item	JXL-1.4	JXL-1.5
Al_2O_3 %	88	90
Fe_2O_3 %	0.4	0.4
Bulk density g/cm ³	1.4	1.5
Cold crushing strength Mpa	7	8
Linear change rate after burned 1100℃×3h %	-0.3	-0.3
Heat conductivity W/m·K	400℃ 0.7 800℃ 0.75 1200℃ 0.86	400℃ 0.75 800℃ 0.83 1200℃ 0.92
Maximum working temperature ℃	1500	1600

3,Alumina Hollow Ball Insulation Brick knowledge:

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The product is a new type of high temperature insulation material, which is made by melting and blowing industrial alumina in electric furnace. Its crystal form is α - Al_2O_3 microcrystal. alumina hollow spheres are the main heat insulating products, The maximum temperature can reach 1800°C . the mechanical strength of the product is high, which is several times as high as that of the general lightweight product, but the density is only one-half of that of corundum insulation products. It has been widely used in industrial vaporization furnaces, carbon black industrial reaction furnaces, induction furnaces in metallurgical industry and ultra-high temperature kilns, and achieved satisfactory energy-saving results. The product has obvious thermal insulation characteristics, reduces heat emission, improves thermal efficiency, and saves energy by more than 30%.

4,Product salient features:

- 1), Good performance at high temperature, low down-line change rate at high temperature, stable overall performance at high temperature, the maximum operating temperature can reach 1800°C .
- 2), High mechanical strength, 7-8 Mpa, 3-4 times as high as general insulation products
- 3), High purity, Fe_2O_3 + and other impurities $\leq 0.5\%$
- 4), The product has many specifications and shapes, which can be made arbitrarily according to users.

5,Product packaging:

in order to ensure that every product is in good condition during transportation, white foam is used between each brick and each layer of brick to prevent friction and vibration during transportation.

6. Good feedback of product use effect, the products have been exported to Russia, Australia, Oman

7. The manufacturer is a professional manufacturer and can provide complete product index test reports or third-party test reports.

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?

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