

Wholesale Alumina Bubble Bricks Alumina Hollow Ball Insulating **Brick**

Basic Information

• Place of Origin: Zhengzhou ,China • Brand Name: Rongsheng Xinwei • Certification: ISO9001 Model Number: Rongsheng

1 Ton

200-800USD

bandages 20-30 Days

TT; L/C

2000tons /month

- Minimum Order Quantity:
- Price:
- Packaging Details:
- Delivery Time:
- Payment Terms:
- Supply Ability:



Product Specification

• Highlight:

Wholesale Alumina Bubble Bricks, Insulating Alumina Bubble Bricks, **Durable Alumina Bubble Bricks**

Packed on wooden pallets, with water-proof cover, and tightened with plastic/steel



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Product Description

Alumina Insulating Refractory Bricks can serve as a flame-contacting working layer or as an insulating layer. They are widely used in ceramic and refractory kilns, powder metallurgy sintering furnaces, semiconductor firing kilns, and kilns with hydrogen or reducing atmospheres.

Rongsheng Factory Good Price Wholesale Alumina Bubble Bricks Alumina Hollow Ball Insulating Brick

Alumina Hollow Ball Bricks also named Alumina bubble brick, is based on the alumina hollow ball and alumina powder as the main raw material. They are mainly used as the lining of high-temperature industrial furnaces operating below 1800°C and as the insulation layer for thermal equipment.

Alumina hollow balls are a new type of high-temperature insulating material. They are made by melting industrial alumina in an electric furnace and blowing it into hollow spheres of a-Al2O3 microcrystals. Products made primarily from alumina hollow balls can be formed into various shapes, with a usage temperature of up to 1800°C. These products have high mechanical strength, several times that of typical lightweight products, while their bulk density is only half that of corundum products. They have been widely used in high-temperature and

ultra-high-temperature furnaces such as petrochemical gasification furnaces, carbon black reactors, and induction furnaces in the metallurgical industry, achieving highly satisfactory energy-saving results.

The production process of alumina hollow ball bricks involves melting alumina raw materials in a tilting electric furnace, where the liquid flows from a pouring spout at a controlled speed. The liquid stream passes through a flat nozzle at an angle of 60°-90° and is blown into hollow balls by a high-velocity airflow at a pressure of 0.6-0.8 MPa. These hollow balls, combined with sintered alumina fine powder and binders in specific proportions, are shaped, dried, and fired to produce alumina hollow ball bricks.



The physical and chemical properties of alumina hollow ball products are as follows:

	Alumina Hollow Ball Bricks	Zirconia Hollow Ball	Sialon-Bonded Al2O3 Holl
Item	LKZ-88	LKZ-98	ZKZ-98
Service			
Temper	1650	1800	2000 2200
ature	1030	1880	2000 2200
(°C)			
Al2O3 ,	88	99	-
%≥	00	99	-
ZrO2,			0.0
%≥	-	-	9.8
SiO2,		0.0	0.0
%≤	-	0.2	0.2
Fe2O3 ,	0.0		
%≤	0.3	0.15	0.2
Bulk			
Density	1.30 1.45	1.40 1.65	≤ 3.0
(g/cm ³)			
Cold			
Crushin			
g	10	9	8
Strength	-		
(MPa)			
Refracto			
riness			
Under			
Load	1650	1700	1700
(°C)			
(0.2MPa			
,0.6%)≥			
Perman			
ent			
Linear			
Change	±0.3	±0.3	±0.2
(%)			
1600 ×3			
hrs			
Thermal			
Expansi			
on			
Coeffici			
ent			R
(10 ^{-6/°} C			
			Thormal Shaak
	8.0	8.6	Thermal Shock Resistance
			nesisiarice

