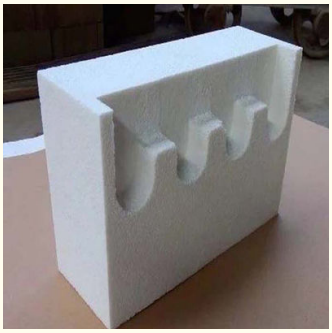
Wholesale Alumina Bubble Bricks Alumina Hollow Ball Insulating Brick

Our Product Introduction

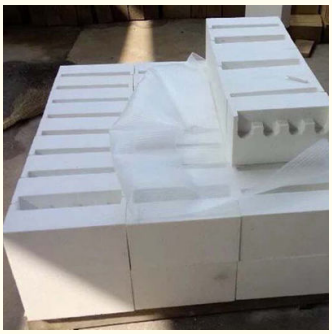
Basic Information

- 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: 20-30 Days
- Payment Terms: TT; L/C
- Supply Ability: 2000tons /month



Product Specification

- Highlight: **Wholesale Alumina Bubble Bricks**, **Insulating Alumina Bubble Bricks**, **Durable Alumina Bubble Bricks**



Our Product Introduction

Product Description

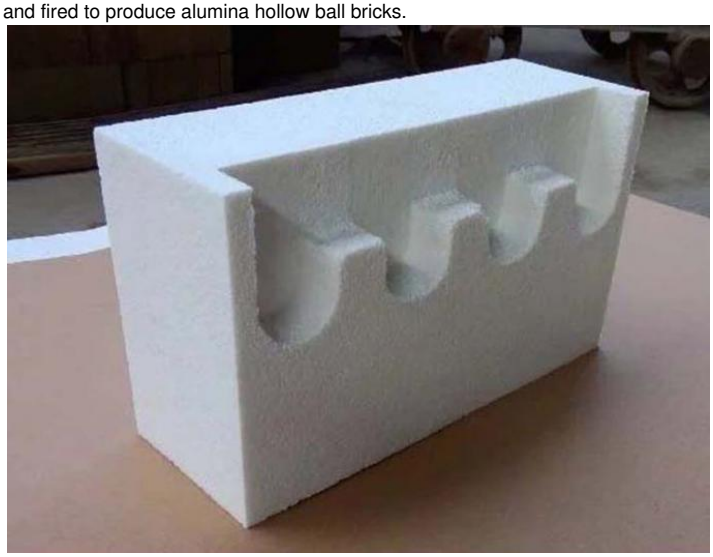
Rongsheng Factory Good Price Wholesale Alumina Bubble Bricks Alumina Hollow Ball Insulating Brick
Alumina Insulating Refractory Bricks can serve as a flame-contacting working layer or as an insulating layer. They are widely used in ceramic and refractory kilns, powder metallurgy sintering furnaces, semiconductor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

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:

Item	Alumina Hollow Ball Bricks	Zirconia Hollow Ball	Sialon-Bonded Al2O3 Hollov
	LKZ-88	LKZ-98	ZKZ-98
Service Temperature (°C)	1650	1800	2000 2200
Al2O3 , % ≥	88	99	-
ZrO2 , % ≥	-	-	9.8
SiO2 , % ≤	-	0.2	0.2
Fe2O3 , % ≤	0.3	0.15	0.2
Bulk Density (g/cm³)	1.30 1.45	1.40 1.65	≤ 3.0
Cold Crushing Strength (MPa)	10	9	8
Refractoriness Under Load (°C) (0.2MPa ,0.6%)≥	1650	1700	1700
Permanent Linear Change (%) 1600 ×3 hrs	±0.3	±0.3	±0.2
Thermal Expansion Coefficient (10⁻⁶/°C)	8.0	8.6	Thermal Shock Resistance

(Room temperature, ~1300)				(1100 w
Thermal Conductivity,W/(m.K),≤ (Average 800)	0.9	1	0.5	
Applications	Used as thermal insulation lining for carbon black furnaces in petrochemical industry, and lining for high temperature kilns such as ceramics and refractory materials.	Used as thermal insulation lining of carbon black furnaces in petrochemical industry, thermal insulation lining of gasification furnaces and gasification furnaces, and lining of high-temperature kilns such as ceramics and refractory materials.	It is used for firing hard and su vacuum medium frequency ultra-h furnace lining and insulation laye used for lining of other ultra-hig furnaces with a temperature of	

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