

# ZIBO JINGGAN REFRACTORY IMPORT AND EXPORT CO.,LTD

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## High Alumina Brick Resistant to Liquid Aluminum Penetration



### 1,Technical index of Sinter Synthesis Mullite Material

ITEM	UNIT	FIGURE
Al <sub>2</sub> O <sub>3</sub>	%	≥80
BaO	%	2.5
Fe <sub>2</sub> O <sub>3</sub>	%	≤1.6
P <sub>2</sub> O <sub>5</sub>	%	3
Density	g/cm <sup>3</sup>	≥2.8
Porosity	%	≤15
Compressive strength	Mpa	≥100
Coefficient of thermal expansion	1000℃,%	≤0.9
Thermal conductivity	1200℃,w/m.k	≤2.5
Corrosion resistance of molten aluminum		excellent

2,Brief introduction: the main raw material is super grade bauxite calcined in rotary kiln. The characteristics of raw material are as follows: Al<sub>2</sub>O<sub>3</sub> ≥ 88%, density ≥ 3.15g/cm<sup>3</sup>, water absorption ≤ 2%, aluminum dihydrogen phosphate as binder, adding barium oxide anti aluminum liquid corrosion agent, forming by high tonnage molding machine and firing at high temperature. The product is superior to the general high alumina brick, with higher density, lower porosity and higher compressive strength. Therefore, the product has high compactness and good

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corrosion resistance to molten aluminum. It is superior to other high alumina bricks when used as lining brick of melting aluminizing furnace.

3, Characteristics of High Alumina Brick Resistant to Liquid Aluminum Penetration

- 1) The purity of raw materials is high and the impurity content of products is low
- 2) The product has good compactness and good performance at high temperature
- 3) Especially the corrosion resistance of molten aluminum is superior
- 4) High temperature aluminum dihydrogen phosphate is used as binder, the structure of the product is compact and its strength is high

4. Application: melting aluminum furnace lining brick

5, Good feedback of product use effect, the products have been exported to South Korea, Japan, Pakistan

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

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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