

ZIBO JINGGAN REFRACTORY IMPORT AND EXPORT CO.,LTD

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Silicon Carbide Brick for Electrolytic Aluminuim Furnace



1. Main performance indexes of Silicon Carbide Brick for Electrolytic Aluminuim Furnace

ITEM	UNIT	JCS-1	JCA-2
SIC	%	≥87	≥85
SIO2	%	8	3
Al2O3	%	---	≥10
Fe2O3	%	≤1.0	≤1.0
Porosity	%	≤18	≤18
Dneisty	g/cm3	≥2.65	≥2.55
Compressive strength	Mpa	≥80	≥85
Refractoriness under load	℃	≥1600	≥1550
Thermal shock stability,950℃,air cooling	times	≥40	≥35
Coefficient of heat conductivity	w/m.k	≥8	≥6

2. Introduction of Silicon Carbide Brick for Electrolytic Aluminuim Furnace: Silicon Carbide Brick for Electrolytic Aluminuim Furnace is a kind of special refractory product, which is made of fused black silicon carbide as the main raw material, high-pressure molding or vibration molding, and high-temperature firing at 1450 ~ 1550 ℃.Adding SiO₂, silicon nitride and mullite to form oxide bonded silicon carbide brick, silicon carbide bonded silicon nitride brick and silicon carbide bonded mullite brick respectively. Silicon carbide brick for aluminum melting furnace has good resistance to aluminum liquid and slag erosion. It does not touch

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aluminum and hang slag. Its service life is 6-8 times of that of high aluminum brick and castable, and the service life is up to 18 months.

3. Characteristics:

- 1) Good wear resistance
- 2) Strong corrosion resistance, non-stick aluminum, no slag
- 3) High strength, strong thermal conductivity
- 4) Good thermal shock stability

4. Application: aluminum melting furnace, incinerator, heating furnace

5. 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.

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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