

ZIBO JINGGAN REFRACTORY IMPORT AND EXPORT CO.,LTD

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Silicon Nitride Bonded Silicon Carbide Brick for Blast Furnace



一,Description of Silicon Nitride Bonded Silicon Carbide Brick:

- 1,The product is made of silicon carbide and silicon nitride as the main raw materials, which are formed by high tonnage brick press and fired in high temperature furnace filled with nitrogen gas.
- 2, The product has a hard texture and Mohs hardness of 9. The strength is very high. The strength is almost the same as that at room temperature at 1200℃~1400℃. The maximum working temperature of the product can be over 1650℃.
- 3, Compared with silicon carbide products, the product has lower thermal expansion coefficient, higher thermal conductivity, less thermal stress, excellent thermal shock resistance and long service life. The product also has strong creep resistance, corrosion resistance, oxidation resistance and other characteristics.
- 4, Products are widely used for lining of blast furnace body and electrolytic aluminum tank,Ceramic kiln, slide rail brick

二,Index of Silicon Nitride Bonded Silicon Carbide Brick:

Item		
SIC	%	72
SI ₃ N ₄	%	22
Fe ₂ O ₃	%	0.3
Porosity	%	17

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Density g/cm ³	2.65
Compressive strength Mpa	150
Flexural strength Mpa	45
High temperature flexural strength 1400℃ , Mpa	50
Thermal conductivity 1000℃,w/m.k	17
Refractoriness under load ℃	1700

三.Good feedback of product use effect,the products have been exported to South Korea,Australia, Kenya,

四,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?

Then let's contact with jinggan company

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