

ZIBO JINGGAN REFRACTORY IMPORT AND EXPORT CO.,LTD

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Dense Silica Brick



1,Product description:

Dense silica brick using optimizing raw material grain size distribution、optimize the organic binder and optimize the molding equipment production. Better than ordinary silica brick low apparent Porosity,high cold Crushing Strength and high thermal conductivity. In the construction of coke oven,increasing the energy saving effect. Reduces the NO_xexhaust pollution. Is important for the construction of coke oven of refractory products in the future.

2,Index:

Index	Dense silica brick
SiO ₂ % min.	95
Al ₂ O ₃ % max.	1.0
Fe ₂ O ₃ % max .	0.8
CaO % max.	2.5
Apparent Porosity % max.	19
Bulk Density g/cm ³ min.	1.9
true specific gravity max.	2.335
Cold Crushing Strength MPa min.	60

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Permanent Linear Change 1450°C,2h	0~+0.2
Refractoriness under load°C 0.2MPa,0.6%	1660
Thermal Expansion % 20~1000°C max.	1.25
Residue quartz %max.	0.5
Thermal conductivity 1100°C W/m.k min.	2.3

3,Production process of products:

crushed raw materials washed by water,remove debris,then, it is dried and crushed into all levels of granularity,after homogeneous mixing,it is formed by automatic high tonnage moulding machine.It is very important to control the firing temperature and temperature-rising curve of the product. The operating rules must be strictly enforced to ensure the internal and external quality of the product.

4,Product salient features:

- 1) Dense Silica Brick has high true density, reaching 2.34g/cm³.
- 2) Low thermal conductivity of products
- 3) It has good high temperature performance,refractoriness under load > 1650°C
- 4) The apparent porosity is low, ≤19%

5,The main uses of the products are as follows:

Large coke ovens, glass ovens, and other industrial furnaces.

6,Our Advantages:

Our company and factory have nearly 30 years experience in producing high quality silicon bricks, perfect technology and perfect quality control system.At present, our brick press is automated. It has unified control over the size, appearance and internal quality of the products. The length of the tunnel kiln is 180m, and there are 4 pieces to ensure the firing quality of the products.Up to now, our factory is the designated supplier of Anshan Coke Oven Design Institute in China. The export countries are India, Brazil, Germany, Italy, the United States, South Korea, South Africa and so on. Our factory has an annual production capacity of 300,000 tons.

Do you want to find a professional supplier of refractory products?

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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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