

# ZIBO JINGGAN REFRACTORY IMPORT AND EXPORT CO.,LTD

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## High Density Silicon Brick For Coke Oven



### 1,Index of High Density Silicon Brick For Coke Oven:

Index	Dense silica brick
SiO <sub>2</sub> % min.	95
Al <sub>2</sub> O <sub>3</sub> % max.	1.0
Fe <sub>2</sub> O <sub>3</sub> % max .	0.8
CaO % max.	2.5
Apparent Porosity % max.	19
Bulk Density g/cm <sup>3</sup> min.	1.9
true specific gravity max.	2.335
Cold Crushing Strength MPa min.	60
Permanent Linear Change 1450℃,2h	0~+0.2
Refractoriness under load℃ 0.2MPa,0.6%	1660
Thermal Expansion % 20~1000℃ max.	1.25
Residue quartz % max.	0.5
Thermal conductivity 1100℃ W/m.k min.	2.3

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## **2,Environment for High Density Silicon Brick For Coke Oven use:**

High density silicon brick is the main basic material for building coke oven. It is used for wall brick and bottom brick in carbonization chamber, In the process of coke smelting, it is necessary to withstand not only the high temperature of about 1350℃, but also the erosion of various corrosive gases. It also has good wear resistance and high density, so as to bear the great friction of silicon bricks when entering and leaving coke.

## **3,Forming methods of High Density Silicon Brick For Coke Oven:**

- 1) Types of Brick Press: 630 tons and 2000 tons of Automatic Brick Press
- 2) Automatic weighing
- 3) Set the number of automatic pressing according to the shape and weight of the product.
- 4) Automatic brick-pulling
- 5) Product density, accurate size

## **4,Product salient features:**

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

## **5,Shipping Port: QINGDAO Port**

6,Our company and factory cooperate with every customer with excellent product quality and reputation.

## **7,Production Plant in Shandong Province**

8.Good feedback of product use effect,the products have been exported to Pakistan, Oman, the United States

9.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?**

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[Then let's contact with jinggan company](#)

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