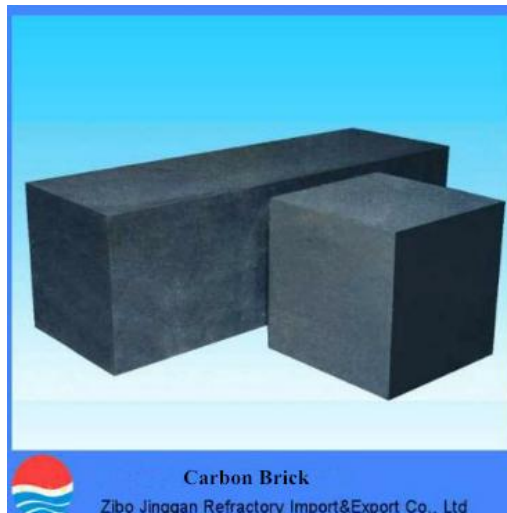


ZIBO JINGGAN REFRACTORY IMPORT AND EXPORT CO.,LTD

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Carbon Brick for Blast Furnace



1,Knowledge of Carbon Brick for Blast Furnace:

Carbon bricks for blast furnace and micro-porous carbon bricks are mainly made from high temperature calcined anthracite,a variety of additives were added, and asphalt was used as binder,after forming, it is roasted at high temperature and finely processed.The main features of the product are high thermal conductivity, high micropore index and permeability index, which can reduce the erosion rate of blast furnace body and effectively prevent the penetration erosion of hot metal It is mainly built in the hearth of blast furnace.

Semi-graphitic carbon bricks are made by high temperature calcination of anthracite, using semi-graphitic materials and medium-temperature asphalt as binders, roasting at high temperature and finishing, and are mainly built at the bottom of blast furnace.

Ultra-high conductivity graphite electrode is made of petroleum coke with low ash content as main raw material and asphalt as binder,formed and roasted, impregnated, graphitized and finely processed. It is mainly built on the bottom and abdomen of blast furnace.

2,Index of Carbon Brick for Blast Furnace:

1)Technical index of Microporous Carbon Brick

Bulk density	g/cm ³	≥1.7
Apparent porosity	%	≤13
Compressive strength	Mpa	≥35

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Permeability	mDa	0.35
Oxygenation efficiency	%	≤4.5
Hot metal erosion index	%	≤30
Average Pore diameter	um	0.11
Coefficient of heat conductivity	W/m.k,600℃	23
Alkali resistance		exce

2)Technical index of Semi-graphite Carbon Brick

Ash	%	≤4
Bulk density	g/cm3	>1.6
Apparent porosity	%	≤13
Compressive strength	Mpa	≥46
Permeability	mDa	38
Oxygenation efficiency	%	≤13
Hot metal erosion index	%	
Average Pore diameter	um	7
Coefficient of heat conductivity	W/m.k,600℃	11
Alkali resistance		good

3)Techncial index of Common Carbon Brick

Ash	%	<8
Bulk density	g/cm3	≥1.5
Compressive strength	Mpa	≥29.6
Total porosity	%	≤23
Coefficient of heat conductivity	W/m.k,600℃	>5.0
Fixed Carbon	%	>88

3,About us:Our factory specializes in producing carbon bricks for blast furnaces, submerged furnaces, micro-porous carbon bricks and semi-graphite carbon bricks in Ningxia. It has a perfect production process and quality assurance system.The existing large-scale forming equipment, roasting and graphitizing furnace and finishing equipment ensure the appearance and internal quality of the products, and perfect testing equipment ensure the qualifications of the products.

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

5.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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