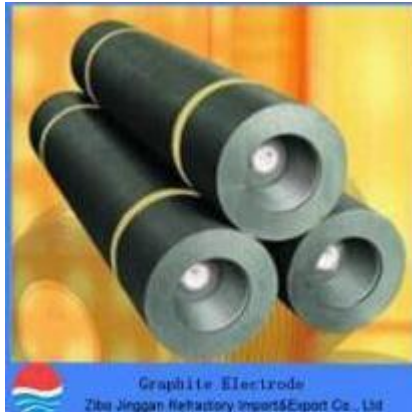


ZIBO JINGGAN REFRACTORY IMPORT AND EXPORT CO.,LTD

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Graphite Electrode for Roughing Furnace



1,Description of Graphite Electrode for Roughing Furnace

The product is made of high-grade needle coke.The graphitization heat treatment temperature is as high as 2800-3000°C. The resistivity of the product is lower, such as $<5.5\mu\Omega\cdot\text{m}$. It allows higher current density, smaller expansion coefficient and excellent thermal shock resistance.

The graphite electrode products we supply are used in roughing furnace and refining furnaces. They have three quality grades: RP, HP and UHP. They are divided into various specifications according to their diameters and lengths. It is a good conductive and heat conductive high temperature product for steelmaking.

The product we supply has a low consumption rate per ton of steel.in roughing furnace, the consumption rate of UHP product per ton steel is less than 1.8kg, and in refining furnace, the consumption rate of UHP product per ton steel is less than 0.5kg.

The product is black and cylindrical.

2,The specifications included in the product are as follows:

UHP ϕ 500~700

3,The consumption rate of product per ton steel is $\leq 3.5\text{kg/ton steel}$. Due to the different types of steel smelted by different customers and the different operating environments, the consumption rate of steel per ton of products varies. The typical consumption rate of steel per ton of the products we supply is $\leq 2.2\text{kg}$.

4,Permissible Current Load and Current Density of Graphite Electrode Products with Different Specifications:

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Ultra High Power		
Nonminal Diameter mm	Current Load (A)	Current Density (A/cm ²)
500	38000-55000	18-27
550	42000-66000	17-26
600	49000-76000	17-26

5, Application of Graphite Electrode for Roughing Furnace: Used in roughing furnace

6, Major raw materials used in products: imported needle coke (Japan, USA), domestic high-grade petroleum coke, natural graphite powder and coal tar pitch binder.

7, Simple process of product production: raw material calcination, proportioning, kneading, shaping, roasting, impregnation, graphitization, machining and packaging.

8, Product index:

Item		Ultra high Power	
		Φ 300-400	φ 450-700
Resistivity $\mu \Omega \cdot m$ \leq (Max)	Electrode	5.5	
	Nipple	4.5	
Bulk density g/cm ³ \geq (min)	Electrode	1.67	1.66
	Nipple	1.75	
Modulus of rupture Mpa \geq (min)	Electrode	11.0	
	Nipple	20.0	
Young' s modulus Gpa \leq (Max)	Electrode	14.0	
	Nipple	18.0	
Ash % \leq (Max)	Electrode	0.3	
	Nipple	0.3	
CTE(100-600°C) 100-6 /°C \leq (Max)	Electrode	1.5	
	Nipple	1.4	
Real density g/cm ³	Electrode	2.2-2.23	

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	Nipple	2. 23-2. 25
Porosity	Electrode	23-25
%	Nipple	19-22

9. Good feedback of product use effect, the products have been exported to Australia, Mexico, Morocco

10. 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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