

ZIBO JINGGAN REFRACTORY IMPORT AND EXPORT CO.,LTD

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UHP Graphite Electrode



1,Description of UHP Graphite Electrode

The product is made of high-grade needle coke.The graphitization heat treatment temperature is as high as 2800-3000℃. The resistivity of the product is lower, such as $<5.5\mu\Omega\cdot m$. 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.product quality grade is 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, Index of UHP Graphite Electrode

Item		Uitra high Power	
		Φ250-Φ400	Φ450-Φ600
Resistivity $\mu\Omega\cdot m$ $\leq$ (Max)	Electrode	5.5	
	Nipple	4.5	

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Bulk density g/cm ³ ≥ (min)	Electrode	1.67	1.66
	Nipple	1.75	
Modulus of rupture Mpa ≥ (min)	Electrode	11.0	
	Nipple	20.0	
Young's modulus Gpa ≤ (Max)	Electrode	14.0	
	Nipple	18.0	
Ash % ≤ (Max)	Electrode	0.3	
	Nipple	0.3	
CTE(100-600℃) 100-6 /℃ ≤ (Max)	Electrode	1.5	
	Nipple	1.4	
Real density g/cm ³	Electrode	2. 2-2. 23	
	Nipple	2. 23-2. 25	
Porosity %	Electrode	23-25	
	Nipple	19-22	

3,Additional note:

1)Product specifications are Φ 400-700 mm

2)The product is used in UHP electric furnace, and the Consumption rate per ton of steel is lower.

4, The production process of this product in our factory is complete and perfect: Strict material selection, proportioning, 2300 tons to 4100 tons of forming machine, roaster, large graphitizing furnace complete, accurate processing equipment, so from the product's internal quality and appearance quality, fully guaranteed the needs of customers. On the basis of good faith, we have won the trust of our customers with our excellent service. The annual output of the products is about 30,000 tons with complete specifications. Besides supplying the domestic market, the products are also exported to Russia, Southeast Asia, South Korea, Brazil, Egypt, Japan, Germany and other countries.

5,Product packaging:

use safe, firm and moisture-proof packing suitable for land and sea transportation

6,Our service:

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- 1)Provide free technical advice for users
- 2)Free for users to provide product application description
- 3)Free for users to provide product configuration design scheme
- 4)Free for users to provide sample,for user testing

7, Our advantages:

- 1)Professional,with more than 20 years of refractory production and operation, stronger technical exchanges and services
- 2)We have our own Refractory material product production cooperation factory
- 3)We have our own Graphite Electrode product production cooperation factory
- 8.Good feedback of product use effect, the products have been exported to Mexico, Morocco and India.
- 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?

Then let's contact with jinggan company

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EXPORT CO.,LTD**
