

Graphite Electrode For Electric Arc Furnaces Available In RP 150mm UHP 200mm UHP 250mm And HP 300mm

Our Product Introduction

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Basic Information

- Place of Origin: Zhengzhou ,China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: UP HP UHP
- Minimum Order Quantity: 1 Ton
- Price: 200-800USD
- Packaging Details: Packed on wooden pallets, with water-proof cover, and tightened with plastic/steel bandages
- Delivery Time: 20-30 Days
- Payment Terms: TT; L/C
- Supply Ability: 2000tons /month



Product Specification

- Highlight: RP 150mm Graphite Electrode,
HP 300mm Graphite Electrode,
UHP 200mm Graphite Electrode

Our Product Introduction

Product Description

Product Description of Top-Quality Graphite Electrode For Electric Arc Furnaces Available in RP 150mm, UHP 200mm, UHP 250mm, And HP 300mm

Discover our top-quality Graphite Electrodes, specifically designed for use in electric arc furnaces (EAF). Available in various sizes including RP 150mm, UHP 200mm, UHP 250mm, and HP 300mm, these electrodes are crafted from premium-grade carbon materials to ensure excellent performance and durability.



Key Features of High-Quality Graphite Electrodes

Superior Electrical Conductivity: Our graphite electrodes provide exceptional conductivity, enhancing the efficiency of the melting process in electric arc furnaces.

High Thermal Resistance: Designed to withstand extreme temperatures, our electrodes maintain stability and performance even in demanding environments.

Durable Construction: Made from high-quality carbon materials, these electrodes are resistant to oxidation and wear, ensuring a long service life.

Versatile Applications: Suitable for various industrial processes, our electrodes cater to the needs of different operations.

Applications of High-Quality Graphite Electrodes For Electric Arc Furnaces

These graphite electrodes are ideal for:

Electric Arc Furnaces: Essential for steel production and recycling of metals.

Foundry Operations: Perfect for the melting of non-ferrous metals.

Chemical Industry: Utilized in the production of silicon and other essential chemicals.

Quality Assurance

With over 20 years of experience in the refractory materials industry, we adhere to stringent quality control measures throughout the manufacturing process. Each product meets international standards, ensuring reliable performance in all applications.

Technical Parameter of Graphite Electrodes and Nipple:

Regular Graphite Electrode

Item		Nominal diameter mm							
		75~130		150~225		250~300		350~450	
Grade		Excellent	—	Ex	—	Ex	—	Ex	—
Resistivity $\mu\Omega\cdot m \leq$	Electrode	8.5	10.0	9.0	10.5	9.0	10.5	9.0	10.5
	Connector	8.0		8.0		8.0		8.0	
Flexural strength MPa $\geq$	Electrode	10.0		10.0		8.0		7.0	
	Connector	15.0		15.0		15.0		15.0	
Elastic Modulus GPa $\leq$	Electrode	9.3		9.3		9.3		9.3	
	Connector	14.0		14.0		14.0		14.0	
Bulk density g/cm ³ $\geq$	Electrode	1.58		1.53		1.53		1.53	
	Connector	1.70		1.70		1.70		1.70	
Thermal expansion coefficient 10-6/ room temperature ~600 $\geq$	Electrode	2.9		2.9		2.9		2.9	
	Connector	2.7		2.7		2.8		2.8	
Ash % $\leq$		0.5		0.5		0.5		0.5	

High Power Graphite Electrodes

Item		Nominal diameter mm	
		200~400	450~500
Resistivity $\mu\Omega\cdot m \leq$	Electrode	7.0	7.5
	Connector	6.3	6.3
Flexural strength MPa $\geq$	Electrode	10.5	10.0
	Connector	17.0	17.0
Elastic Modulus GPa $\leq$	Electrode	14.0	14.0
	Connector	16.0	16.0
Bulk density g/cm ³ $\geq$	Electrode	1.60	1.60
	Connector	1.72	1.72
Thermal expansion coefficient 10-6/ Room temperature~600 $\geq$	Electrode	2.4	2.4
	Connector	2.2	2.2
Ash % $\leq$		0.5	0.5

Ultra High Power Graphite Electrode

Item	Nominal diameter mm		
	300~400	450~500	550~650

Resistivity $\mu\Omega\cdot m \leq$	Electrode	6.2	6.3	6.0
	Connector	5.3	5.3	4.5
Flexural strength MPa $\geq$	Electrode	10.5	10.5	10.0
	Connector	20.0	20.0	22.0
Elastic Modulus GPa $\leq$	Electrode	14.0	14.0	1.66
	Connector	20.0	20.0	1.78
Bulk density g/cm ³ $\geq$	Electrode	1.67	1.66	1.66
	Connector	1.74	1.75	1.78
Thermal expansion coefficient 10-6/ Room temperature~600 $\geq$	Electrode	1.5	1.5	1.5
	Connector	1.4	1.4	1.3
Ash % $\leq$		0.5	0.5	0.5

Why Choose Rongsheng UP HP UHP Graphite Electrode Products?

Industry Leader: As a recognized manufacturer of graphite electrodes, we have built a solid reputation for quality and reliability.

Global Reach: Our products are exported to more than 100 countries, making us a trusted supplier on an international scale.

Customer-Oriented Support: We offer personalized solutions and dedicated customer service to meet your specific needs.

Contact Us

For more information or to place an order, please get in touch with us:

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Experience the quality and efficiency of our high-quality graphite electrodes and elevate your production capabilities today!



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