

High-Performance Graphite Electrodes UHP 550mm 650mm 750mm With Nipples Ultra High And Regular Power

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: **UHP Graphite Electrodes ,
750mm Graphite Electrodes ,
High Performance Graphite Electrodes**

Our Product Introduction

Product Description

Product Overview of High-Performance Graphite Electrodes UHP 550mm, 650mm, 750mm With Nipples Ultra High and Regular Power Available

Introducing our premium Ultra High Power and Regular Power Graphite Electrodes, available in diameters of 550mm, 650mm, and 750mm. Designed for high-performance applications in electric arc furnaces, these electrodes are constructed from top-quality carbon black graphite, ensuring optimal conductivity and durability.



Key Features of Ultra High Power and Regular Power Graphite Electrodes With Nipples

Exceptional Electrical Conductivity: Our electrodes are engineered for superior conductivity, enhancing the efficiency of the melting process in electric arc furnaces.

High Thermal Stability: Designed to withstand extreme temperatures, our electrodes maintain structural integrity under demanding conditions.

Durable and Reliable: Made from high-grade materials, they are resistant to oxidation and wear, providing a longer service life.

Nipple Included: Each electrode comes with a nipple, ensuring easy installation and secure connections.

Applications of Ultra High Power and Regular Power Graphite Electrodes With Nipples

These electrodes are ideal for a variety of applications, including:

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

Foundries: Perfect for melting non-ferrous metals.

Chemical Production: Used in the manufacturing of silicon and other chemical processes.

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
		Electrode	10.5	10.0

Flexural strength MPa ≥	Connector	20.0	20.0	22.0
Elastic Modulus GPa ≤	Electrode	14.0	14.0	1.66
	Connector	20.0	20.0	1.78
Bulk density g/cm3 ≥	Electrode	1.67	1.66	1.66
	Connector	1.74	1.75	1.78
Thermal expansion coefficient 10-6/ Room temperature~600 ≥	Electrode	1.5	1.5	1.5
	Connector	1.4	1.4	1.3
Ash % ≤		0.5	0.5	0.5

Quality Assurance
With over 20 years of experience in the refractory materials industry, we implement stringent quality control measures to ensure that each product meets international standards. Our commitment to quality guarantees reliable performance in all applications.

Why Choose Us?
Industry Expertise: Recognized as a leading manufacturer of graphite electrodes, we have a proven track record of excellence.
Global Distribution: Our products are exported to over 100 countries, making us a trusted supplier worldwide.
Customer-Focused Service: We provide tailored solutions and dedicated support to meet your specific needs.

Contact Information
For inquiries or to place an order, please reach out to us:

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Enhance your production processes with our Ultra High Power and Regular Power Graphite Electrodes, and experience the benefits of high-quality performance and reliability!

 **Henan Rongsheng Xinwei New Materials Research Institute Co., Ltd**

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