

RP HP UHP Dia 75-800 Graphite Electrode With Nipples in Steel-making Industry

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: 10-20 Days
- Payment Terms: TT; L/C
- Supply Ability: 2000tons /month



Product Specification

- Highlight: **UHP Graphite Electrode, RP Graphite Electrode, Steel-making Industry Graphite Electrode**

Product Description

Product Overview of Rongsheng Factory Sale RP HP UHP Dia 75-800 Graphite Electrode With Nipples Widely Used in Steel-making Industry

Introducing our premium Graphite Electrodes, designed for optimal performance in electric arc furnaces and other high-temperature applications. Our electrodes are available in RP, HP, and UHP grades, ensuring versatility and reliability for various industrial processes.

Our Product Introduction



Key Features of High-Quality Graphite Electrodes and Nipples

Superior Conductivity: Our electrodes provide excellent electrical conductivity, essential for efficient energy transfer during the melting process.

High Thermal Stability: Engineered to withstand extreme temperatures, our graphite electrodes maintain their integrity, enhancing overall performance.

Durability: Manufactured from high-quality raw materials, they are resistant to oxidation and wear, ensuring long-lasting use.

Customizable Sizes: Available in various diameters and lengths to meet your specific requirements.

Applications of High-Quality Graphite Electrodes and Nipples

Graphite electrodes are widely used in:

Electric Arc Furnaces: Ideal for steel production and recycling.

Foundries: Perfect for the production of non-ferrous metals.

Silicon Production: Essential for 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
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/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
Our products undergo rigorous quality control measures, ensuring that every batch meets international standards. With over 20 years of experience in the refractory materials industry, we are committed to providing top-quality solutions that meet our clients' needs.

Why Choose Us?
Expert Manufacturer: Renowned for excellence in refractory materials, our expertise spans over two decades.
Global Reach: Our products are exported to more than 100 countries, establishing us as a trusted supplier worldwide.
Customer-Centric Service: We prioritize customer satisfaction, offering tailored solutions and responsive support.

Contact Us
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Explore the advantages of our high-quality Graphite Electrodes and Nipples today and experience the difference in your production processes!

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