

RP HP UHP Arc Furnace Ladle Furnace Graphite Electrodes With Good Graphite Electrodes Price For Steelmaking

Our Product Introduction

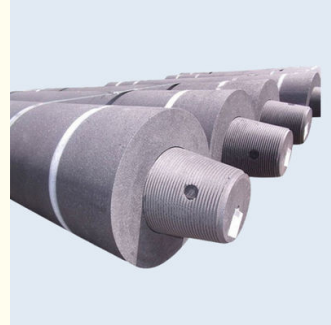
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Basic Information

- Place of Origin: Zhengzhou, China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: UP HP UHP
- Minimum Order Quantity: 1 Ton
- Price: 200-800 USD
- Packaging Details: Standard export carton/plywood crate
- Delivery Time: 20-30 Days
- Payment Terms: TT; L/C
- Supply Ability: 2000 tons /month



Product Specification



Our Product Introduction

Product Description

Product Overview of RP HP UHP Arc Furnace Ladle Furnace Graphite Electrodes With Good Graphite Electrodes Price For Steelmaking

Our UHP, HP, and RP Graphite Electrodes are specifically designed for electric arc furnaces (EAF) and ladle furnaces (LF) used in steelmaking. These electrodes provide exceptional thermal and electrical conductivity, ensuring optimal performance in high-temperature environments. We supply a full range of graphite electrodes with diameters from 100mm to 700mm, meeting diverse customer needs in industries such as steel, metallurgy, and other high-temperature processes.



Product Advantages of Rongsheng High Performance Graphite Electrodes

1.Superior Conductivity

Our graphite electrodes are made from premium-grade needle coke and pitch, ensuring high electrical conductivity and efficient melting processes. Whether it's UHP for ultra-high power furnaces or RP for regular power furnaces, our products deliver outstanding performance with minimal power loss.

2.High Thermal Shock Resistance

Designed to withstand extreme temperature variations, our electrodes offer superior thermal shock resistance. This minimizes the risk of cracking during use, reducing downtime and increasing production efficiency.

3.Low Consumption Rate

Our graphite electrodes are engineered for a lower consumption rate during steelmaking, resulting in cost savings for customers by reducing the frequency of electrode replacement.

4.Strong Anti-Oxidation Performance

With advanced anti-oxidation treatments, our electrodes can resist oxidation at high temperatures, prolonging their lifespan and ensuring consistent performance throughout their use in electric arc furnaces.

Wide Range of Applications For Rongsheng RP HP UHP Graphite Electrodes

Our RP, HP, and UHP graphite electrodes cater to various power levels of furnaces, providing flexibility for industries like steel production, ferrosilicon alloy smelting, and even in the recycling sector.

Product Specification of RP HP UHP Arc Furnace Ladle Furnace Graphite Electrodes

The Length & Diameter & Permissible Deviation of Graphite Electrode. Diameter of electrodes: from 75 to 800mm. We can produce various specifications in accordance with customer requirements.

1.Regular Power 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	

2.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

3.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

Factory Strength & Selling Points

1.State-of-the-Art Manufacturing Facility

Our factory is equipped with cutting-edge technology and automated production lines that ensure the highest quality standards. With over 20 years of experience in the refractory and graphite materials industry, we produce more than 30,000 tons of graphite electrodes annually, which are exported to over 100 countries worldwide.

2.Strict Quality Control

Every batch of electrodes undergoes rigorous quality checks, including density tests, resistivity measurements, and flexural strength assessments. This guarantees that all products meet international standards such as ISO, and clients receive only the best.

3.Customizable Solutions

We understand that every operation is unique. That's why we offer custom solutions tailored to the specific power and size requirements of your furnace. From RP for regular operations to UHP for heavy-duty smelting, we can accommodate various specifications.

4.Efficient Global Supply Chain

With years of experience in international trade, we have developed an efficient global supply chain. This ensures timely delivery of products, whether by sea or air, minimizing lead times and keeping your production running smoothly.

Technical Support and After-Sales Service

Our team of experts provides comprehensive technical support and after-sales service. Whether it's for installation, usage guidance, or troubleshooting, we're committed to helping you optimize your production process and extend the lifespan of our high performance graphite electrodes.

Packing & Delivery



Packaging:

1. Standard export carton/plywood crate 2. Customized shipping mark 3. QC Department. Will Check In Case The Packing Method Isn't Safe Enough.

Shipping:

1.By courier, like DHL,UPS,FEDEX,etc.It is door to door,usually,3-4 days to arrive. 2.By air to the air port, usually,5-7 days to arrive. 3.By sea to sea port,usually,15-30 days to arrive.

About Rongsheng Refractory Group

Rongsheng Refractory have been the Leading manufacturer, Supplier & Exporter of top-quality refractories such as high alumina bricks, corundum bricks, magnesia bricks, fire clay bricks, insulating bricks, unshaped materials, insulation refractories, graphite electrodes and other materials for almost 20 years. Our diverse product range caters to 90% of the refractory needs in industries like Iron & Steel Industry, Cement Industry, Non-ferrous Industry, Power Industry, Petrochemical Industry and Glass Industry. And our products are exported to more than 100 countries and regions all over the world.

As professional refractory material supplier and manufacturer, Rongsheng Refractory Factory is located in Xinmi city, the "Capital of Refractory" in China. We specialize in refractory products for nearly 20 years, covering a full range of shaped and unshaped refractory products, such as High Alumina Series Bricks, Mullite Bricks, Corundum Series Bricks, Silica Series Bricks, Andalusite Bricks, Magnesite Series Brick, Carborundum Brick, Insulating Series Brick, Insulating and Dense Castables, also other related products for more sophisticated applications.

280 workers, 20000 square meter workshop, 30 years experience, CE & ISO9001 / 2008 certificated, biggest raw refractory material original area in China, this is how we keep good quality and reliable cooperation for global valued customers. After nearly 30 years of innovation, Rongsheng Refractory has developed into a large-scale group enterprise known as a collection of science, industry and trade all over the world. Cooperate with many universities to establish research and development center, professional customer service and technology continuous tracking, can provide customers with differentiated, serialized, customized refractory products and services.

Believe that you will be the same as the customers which are from more than 100 countries and regions all over the world, and think it is so wise to choose Rongsheng Refractory, Rongsheng is here for you at any time. Welcome your inquiry.

Why Choose Us?

High Quality Assured: We are Manufacturer of refractory materials and we can provide you with high quality products at more competitive prices.

Competitive Pricing: As a direct manufacturer, we offer competitive prices without compromising on quality, helping you maximize profitability.

Professional Experience Technical Team: Our technical engineers have many years of experience to meet different customers' product quality requirements

Advanced Equipment: We have advanced equipment that improve productivity and mass production

Fast Response Time: Our dedicated sales and support teams are available 24/7 to answer your queries and provide detailed information about our products. Expect a response within 12 hours.

Strong Global Presence: We have successfully collaborated with major steel manufacturers and metallurgical companies around the world, earning a reputation for reliability and quality.

Contact Us For Inquiries

Looking for a reliable supplier of high-performance graphite electrodes? We are ready to meet your needs. Please feel free to contact us for more information or to request a quotation. We are confident that our products will exceed your expectations.

Contact Details:

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Let us help you enhance your steel production with top-quality RP HP UHP Arc Furnace Ladle Furnace graphite electrodes that deliver efficiency, durability, and excellent value.



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