

Graphite Electrodes For Arc Furnace Steelmaking 300x1500mm And 400x1800mm

Our Product Introduction

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Basic Information

- Place of Origin: Zhengzhou ,China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: Rongsheng
- 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: 300x1500mm Graphite Electrodes,
400x1800mm Graphite Electrodes,
Arc Furnace Steelmaking Graphite Electrodes

Our Product Introduction

Product Description

Product Description of Graphite Electrodes For Arc Furnace Steelmaking 300x1500mm And 400x1800mm Available At Factory Wholesale Prices

Discover Rongsheng high-quality Graphite Electrodes, available in a wide range of diameters from 300mm to 1500mm. These electrodes are meticulously manufactured to meet the demanding requirements of electric arc furnaces, ensuring optimal performance and durability in high-temperature applications.



Key Features of Rongsheng Graphite Electrodes

Excellent Conductivity: Our graphite electrodes are designed for superior electrical conductivity, enabling efficient energy transfer and enhanced melting capabilities.

High Thermal Stability: Engineered to withstand extreme heat, these electrodes maintain their structural integrity under challenging conditions.

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

Custom Sizes: Available in various dimensions, we can provide tailored solutions to fit your operational needs.

Applications of Graphite Electrodes For Arc Furnace Steelmaking

Our graphite electrodes are ideal for:

Electric Arc Furnaces: Essential for steel production and metal recycling processes.

Foundries: Suitable for the melting of non-ferrous metals.

Silicon 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
Flexural strength MPa \geq	Electrode	10.5	10.5	10.0
	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 rigorous quality control measures to ensure that every product meets international standards. Our commitment to excellence guarantees reliable and efficient performance.

Why Choose Rongsheng Refractory?
 Leading Manufacturer: With a proven track record, we are recognized as a top supplier of graphite electrodes.
 Global Exporter: Our products are distributed to over 100 countries, making us a trusted choice for clients worldwide.
 Dedicated Customer Support: We prioritize our customers, offering personalized solutions and prompt assistance.

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

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Enhance your production capabilities with our high-quality Graphite Electrodes and experience the difference in performance and reliability!


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