

 **青岛思诺碳素有限公司**
QINGDAO SINO CARBON CO., LTD.

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邮箱：info@sinoelectrode.com
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<http://www.sinoelectrode.com>



Our Graphite electrodes are used for the recycling of steel in the electric arc furnace industry, so called "mini-mills." We do not simply provide graphite electrodes and nipples as stand-alone products to our customers. Rather, the focus is on the delivery of an entire "product system", supported by sales and technical experts from the receipt of the customer's order, throughout the entire production process, to final product in the steel plants.

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UHP Graphite Electrode:

Item		Unit	Nominal Diameter mm	
			≤ Φ400	≥ Φ450
Resistivity	electrode	μ Ω·m	4.0-5.3	4.0-5.5
	nipple		3.8	3.8
Bending Strength	electrode	Mpa	≥ 12.0	≥ 12.0
	nipple		≥ 24.0	≥ 24.0
Elastic Modulus	electrode	Gpa	≤ 14.0	≤ 14.0
	nipple		≤ 18.0	≤ 18.0
Bulk Density	electrode	G/cm ³	≥ 1.68	≥ 1.68
	nipple		≥ 1.75	≥ 1.75
C.T.E (100~600°C)	electrode	10 ⁻⁶ /°C	≤ 1.3	≤ 1.3
	nipple		≤ 1.2	≤ 1.2
ASH	electrode	%	≤ 0.3	≤ 0.3
	nipple		≤ 0.3	≤ 0.3

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HP Graphite Electrode:

Item		Unit	Nominal Diameter mm	
			≤ Φ400	≥ Φ450
Resistivity	electrode	μ Ω·m	≤ 6.2	≤ 6.5
	nipple		≤ 4.5	≤ 4.5
Bending Strength	electrode	Mpa	≥ 11.5	≥ 11.0
	nipple		≥ 22.0	≥ 22.0
Elastic Modulus	electrode	Gpa	≤ 12.0	≤ 12.0
	nipple		≤ 16.0	≤ 16.0
Bulk Density	electrode	G/cm ³	≥ 1.66	≥ 1.66
	nipple		≥ 1.73	≥ 1.73
C.T.E (100~600°C)	electrode	10 ⁻⁶ /°C	≤ 1.8	≤ 1.8
	nipple		≤ 1.5	≤ 1.5
ASH	electrode	%	≤ 0.3	≤ 0.3
	nipple		≤ 0.3	≤ 0.3

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RP Graphite Electrode:

Item		Unit	Nominal Diameter mm	
			≤ Φ400	≥ Φ450
Resistivity	electrode	μ Ω·m	≤ 8.0	≤ 8.2
	nipple		≤ 5.8	≤ 5.8
Bending Strength	electrode	Mpa	≥ 9.0	≥ 8.8
	nipple		≥ 18.0	≥ 18.0
Elastic Modulus	electrode	Gpa	≤ 9.5	≤ 9.5
	nipple		≤ 14.0	≤ 14.0
Bulk Density	electrode	G/cm ³	≥ 1.62	≥ 1.62
	nipple		≥ 1.70	≥ 1.70
C.T.E (100~600°C)	electrode	10 ⁻⁶ /°C	≤ 2.2	≤ 2.2
	nipple		≤ 2.0	≤ 2.0
ASH	electrode	%	≤ 0.35	≤ 0.35
	nipple		≤ 0.35	≤ 0.35