

UHP GRAPHITE ELECTRODE 超高功率石墨电极

Description: Ultra high power graphite electrode 100% imported needle coke.

Application: Ladle and EAF



Product Brand		Unit	Nominal Diameter (mm)			
			YB/T4090-2000 Industry Standard		Typical Values	
			300-400	450-550	350-400	450-550
Electric Resistivity	Electrode	$\mu\Omega \cdot m$	≤ 6.2	≤ 6.5	4.6-6.0	4.8-6.2
	Nipple		≤ 5.5	≤ 5.5	3.5-4.5	3.5-4.5
Bending strength	Electrode	Mpa	≥ 10.5	≥ 10.0	≥ 11.0	≥ 11.0
	Nipple		≥ 16.0	≥ 16.0	≥ 18.0	≥ 18.0
Elastic modulus	Electrode	Gpa	≤ 14.0	≤ 14.0	≤ 13.0	≤ 13.0
	Nipple		≤ 18.0	≤ 18.0	≤ 17.0	≤ 17.0
Bulk density	Electrode	g/cm ³	≥ 1.65	≥ 1.64	1.66-1.72	1.65-1.72
	Nipple		≥ 1.72	≥ 1.70	1.75-1.82	1.75-1.82
Ash	Electrode	%	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.3
	Nipple		≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.3
CTE (100-600) °C	Electrode	10 ⁻⁶ /°C	≤ 1.5	≤ 1.5	1.20-1.40	1.20-1.40
	Nipple		≤ 1.4	≤ 1.4	1.10-1.30	1.10-1.30