

HP GRAPHITE ELECTRODE 高功率石墨电极

Description: High power graphite electrode 30% imported needle coke and 70% top-quality Chinese petroleum coke.

Application: Ladle and EAF



Product Brand		Unit	Nominal Diameter (mm)			
			YB/T4090-2000 Industry Standard		Typical Values	
			200-400	450-550	300-400	450-550
Electric Resistivity	Electrode	$\mu\Omega \cdot m$	≤ 7	≤ 7.5	5.0-6.6	5.4-6.8
	Nipple		≤ 6.5	≤ 6.5	4.0-5.0	4.0-5.0
Bending strength	Electrode	Mpa	≥ 10.5	≥ 9.8	≥ 11.0	≥ 11.0
	Nipple		≥ 14.0	≥ 14.0	≥ 16.0	≥ 16.0
Elastic modulus	Electrode	Gpa	≤ 12.0	≤ 12.0	≤ 11.0	≤ 11.0
	Nipple		≤ 16.0	≤ 16.0	≤ 15.0	≤ 15.0
Bulk density	Electrode	g/cm ³	≥ 1.60	≥ 1.60	1.63-1.70	1.63-1.70
	Nipple		≥ 1.70	≥ 1.70	1.73-1.80	1.73-1.80
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	≤ 2.4	≤ 2.4	1.8-2.2	1.8-2.2
	Nipple		≤ 2.2	≤ 2.2	1.5-1.8	1.5-1.8