

Specifications	Unit of Measure	76 mm - 256 mm Dia. Premium	309 mm 610 mm Dia. Premium	300 – 457 mm Dia. Premium	457 – 610 mm Dia. UHP	1205-1397mm High Powered
Ash (Max.)	%	0.2	0.2	0.2	0.2	0.2
Apparent Density	g/cm ³	1.58 - 1.68	1.58 - 1.68	1.60 - 1.76	1.60 - 1.72	1.68 - 1.75
Porosity	%	24 - 30	24 - 30	20 - 28	22 - 28	20 - 25
Transverse	MPa	11.7 - 18.6	7.9 - 13.7	9.7 - 14.8	9.0- 13.8	6.9 - 10.3
Young's Modulus	Gpa	≤ 9.3	≤ 12.0	≤ 14.0	≤ 14.0	≤ 15.0
Electrical Resistance	μΩm	8.5 - 9.0	5.6 - 6.0	5.5 - 6.0	5.0 - 5.4	4.8 - 5.5
Coefficient of Thermal Expansion	10 ⁻⁶ / °C	≤ 2.9	≤ 2.4	≤ 2.0	≤ 1.5	≤ 1.5

Manufacturing Process Of Graphite Electrodes

(From Calcining, Crusghing, Sieving, Graphitization, Machining, Inspection - Shipping)