

Graphite Rods

Typical Properties & Specifications

Sizes range 2.5-10 inches in diameter and 36 to 80 inches in length.

Average grain size 1.0mm.

Specifications	Unit	Grade MBJ-50	Grade MBJ
Comprehensive Strength	Mpa	20 - 25	28 - 32
Apparent Density	g/cm ³	1.60 - 1.65	1.69 - 1.75
Electrical Resistivity	μΩm	7 - 9	6 - 7
Real Density	g/cm ³	2.19 - 2.20	2.19 - 2.21
Ash	ppm	< 950	< 950
Flexural Strength	Mpa	9 - 11	13 - 18
Modulus of Elasticity	Gpa	8 - 9	9 - 13
CTE	10 ⁻⁶ /K	2.0 - 2.5	2.0 - 2.5
Thermal Conductivity	W/K·m	100 - 130	130 - 160

Effective Date: 02/07/2020