

Tokai Isotropic Graphite Data Sheet

G458

1. Typical Properties

Specific Gravity	g/cm ³	1.86
Specific Resistance	μΩm	9.5
Young's Modulus	GPa	11.3
Flexural Strength	MPa	53.9
Shore Hardness	Shore	54
C.T.E	× 10 ⁻⁶ /°C	3.8
Thermal Conductivity	W/mK	139
Mean Pore Diameter	μm	1.5
Porosity	%	10
Grain Size	μm	10
Gas Permeability	cm ² /sec	0.08

All properties measured room temperatures except for C.T.E.
 C.T.E. = Coefficient Thermal Expansion (R.T. to 1000°C)
 Flexural Strength determined using third point loading

Note: All properties are typical values and are not to be used for specification limits

