

Tokai's Isotropic Graphite Data Sheet

G540

1. Typical Properties

Specific Gravity	g/cm ³	1.85
Specific Resistance	μΩm	15.0
Young's Modulus	GPa	13.7
Flexural Strength	MPa	88.2
Tensile Strength	MPa	53.9
Shore Hardness	sHD	78
C.T.E	× 10 ⁻⁶ /°C	5.5
Thermal Conductivity	W/mK	93
Pore Size	μm	13
Porosity	%	10
Grain Size	μm	2
Gas Permeability	cm ² /sec	0.01

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

