

Tokai Carbon – Isotropic Graphite Grade

G535

1. Typical Properties

Specific Gravity	g/cm ³	1.82
Specific Resistance	μΩm	17
Young's Modulus	GPa	10.8
Flexural Strength	MPa	63.7
Tensile Strength	MPa	41.2
Hardness	shore	72
C.T.E	× 10 ⁻⁶ /°C	5.5
Thermal Conductivity	W/mK	81
Pore Size	μm	1.2
Porosity	%	13
Grain Size	μm	4
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
 All properties are typical values and are not to be used for specification limits