

Tokai Carbon – Isotropic Graphite Grade

G347

1. Typical Properties

Specific Gravity	g/cm ³	1.85
Specific Resistance	μΩm	11.0
Young's Modulus	GPa	10.8
Flexural Strength	MPa	49.0
Tensile Strength	MPa	31.4
Hardness	shore	58
C.T.E	× 10 ⁻⁶ /°C	5.5
Thermal Conductivity	W/mK	116
Pore Size	μm	2.5
Porosity	%	12
Grain Size	μm	11
Gas Permeability	cm ² /sec	0.30

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