

Tokai Carbon – Isotropic Graphite Grade

G320

1. Typical Properties

Specific Gravity	g/cm ³	1.75
Specific Resistance	μΩm	14.0
Young's Modulus	GPa	9.3
Flexural Strength	MPa	32
Tensile Strength	MPa	20
Hardness	shore	46
C.T.E	× 10 ⁻⁶ /°C	4.3
Thermal Conductivity	W/mK	93
Pore Size	μm	2.0
Porosity	%	17
Grain Size	μm	125
Gas Permeability	cm ² /sec	0.4

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