

Tokai Carbon – Isotropic Graphite Grade

G520

1. Typical Properties

Specific Gravity	g/cm ³	1.83
Specific Resistance	μΩm	12
Young's Modulus	GPa	10.8
Flexural Strength	MPa	56.8
Tensile Strength	MPa	36
Hardness	shore	62
C.T.E	× 10 ⁻⁶ /°C	5.5
Thermal Conductivity	W/mK	116
Pore Size	μm	-
Porosity	%	14
Grain Size	μm	7
Gas Permeability	cm ² /sec	0.2

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