

## Tokai Carbon – Isotropic Graphite Grade

# G540

### 1. Typical Properties

Specific Gravity	g/cm <sup>3</sup>	1.85
Specific Resistance	μΩm	15.0
Young's Modulus	GPa	13.7
Flexural Strength	MPa	88.2
Tensile Strength	MPa	53.9
Hardness	shore	78
C.T.E	× 10 <sup>-6</sup> /°C	5.5
Thermal Conductivity	W/mK	93
Pore Size	μm	12
Porosity	%	10
Grain Size	μm	2
Gas Permeability	cm <sup>2</sup> /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  
 All properties are typical values and are not to be used for specification limits