

## Tokai Carbon – Isotropic Graphite Grade

# G348

### 1. Typical Properties

Specific Gravity	g/cm <sup>3</sup>	1.92
Specific Resistance	μΩm	10.0
Young's Modulus	GPa	12.3
Flexural Strength	MPa	63.7
Tensile Strength	MPa	41.2
Hardness	shore	68
C.T.E	× 10 <sup>-6</sup> /°C	5.5
Thermal Conductivity	W/mK	128
Pore Size	μm	n/a
Porosity	%	8
Grain Size	μm	8
Gas Permeability	cm <sup>2</sup> /sec	0.02

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