

## Tokai Carbon – Isotropic Graphite Grade

# G250

### 1. Typical Properties

Specific Gravity	g/cm <sup>3</sup>	1.70
Specific Resistance	μΩm	12
Young's Modulus	GPa	9.8
Flexural Strength	MPa	39.2
Tensile Strength	MPa	25.5
Hardness	shore	46
C.T.E	× 10 <sup>-6</sup> /°C	3.5
Thermal Conductivity	W/mK	108
Pore Size	μm	-
Porosity	%	15
Grain Size	mm	-
Gas Permeability	cm <sup>2</sup> /sec	-

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