

## Tokai Carbon – Moulded Graphite Grade

# G145

### 1. Typical Properties

Specific Gravity	g/cm <sup>3</sup>	1.70
Specific Resistance	μΩm	8.5
Young's Modulus	GPa	n/a
Flexural Strength	MPa	14.7
Tensile Strength	MPa	n/a
Hardness	shore	23
C.T.E	× 10 <sup>-6</sup> /°C	3.8
Thermal Conductivity	W/mK	145
Pore Size	μm	n/a
Porosity	%	n/a
Grain Size	mm	3.0
Gas Permeability	cm <sup>2</sup> /sec	n/a

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