

Tokai Carbon – Isotropic Graphite Grade

G077

1. Typical Properties

| | | |
|----------------------|------------------------|-------|
| Specific Gravity | g/cm ³ | 1.82 |
| Specific Resistance | μΩm | 12 |
| Young's Modulus | GPa | 11 |
| Flexural Strength | MPa | 70 |
| Tensile Strength | MPa | - |
| Hardness | Shore | 66 |
| C.T.E | × 10 ⁻⁶ /°C | *7.10 |
| Thermal Conductivity | W/mK | 100 |
| Pore Size | μm | - |
| Porosity | % | 17 |
| Grain Size | mm | - |
| Gas Permeability | cm ² /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