

**Tokai Isotropic Graphite Data Sheet**

# ***G320***

## 1. Typical Properties

|                      |                        |      |
|----------------------|------------------------|------|
| Specific Gravity     | g/cm <sup>3</sup>      | 1.75 |
| Specific Resistance  | μΩm                    | 14.0 |
| Young's Modulus      | GPa                    | 9.3  |
| Flexural Strength    | MPa                    | 32   |
| Tensile Strength     | MPa                    | 25.5 |
| Shore Hardness       | sHD                    | 46   |
| C.T.E                | × 10 <sup>-6</sup> /°C | 3.0  |
| Thermal Conductivity | W/mK                   | 93   |
| Pore Diameter        | μm                     | 2.0  |
| Porosity             | %                      | 17   |
| Grain Size (max)     | μm                     | 125  |
| Gas Permeability     | cm <sup>2</sup> /sec   | 0.4  |

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

Note: All properties are typical values and are not to be used for specification limits

