TOKAI CARBON EUROPE

Tokai Carbon – Isotropic Graphite Grade

# G330T

## 1. Typical Properties

| | | |
|---|---|---|
| Specific Gravity | $g/cm^3$ | 1.79 |
| Specific Resistance | μΩm | 13.0 |
| Young's Modulus | GPa | 9.8 |
| Flexural Strength | MPa | 39.2 |
| Tensile Strength | MPa | 25.5 |
| Hardness | shore | 56 |
| C.T.E | $\times 10^{-6}/^oC$ | 4.8 |
| Thermal Conductivity | W/mK | 104 |
| Pore Size | μm | 2.2 |
| Porosity | % | 15 |
| Grain Size | μm | 13 |
| Gas Permeability | $cm^2/sec$ | 0.21 |

G330T is a medium density, isotropic grade graphite that has been specially treated to improve its resistance to oxidation and aggressive furnace atmospheres, particularly those conditions used in the production of Electrical Steels.

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

gtma MEMBER

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