

Tokai Carbon – Extruded Graphite Grade

FE250

1. Typical Properties

Specific Gravity	g/cm ³	1.75
Specific Resistance	μΩm	8.0
Young's Modulus	GPa	n/a
Flexural Strength	MPa	24.5
Tensile Strength	MPa	n/a
Hardness	Shore	35
C.T.E	× 10 ⁻⁶ /°C	3.3
Thermal Conductivity	W/mK	174
Pore Size	μm	4-6
Porosity	%	17-20
Grain Size	μm	0.8
Gas Permeability	cm ² /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