

## Tokai Carbon – Extruded Graphite Grade

# FE250G

### 1. Typical Properties

Specific Gravity	g/cm <sup>3</sup>	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 <sup>-6</sup> /°C	3.3
Thermal Conductivity	W/mK	174
Pore Size	μm	4-6
Porosity	%	17-20
Grain Size	μm	0.8
Gas Permeability	cm <sup>2</sup> /sec	n/a

EE/FE250T is an extruded grade graphite that has been specially treated to improve its resistance to oxidation.

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