

## Tokai Carbon – Extruded Graphite Grade

# FE250T

### 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 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