

TECHNICAL LITERATURE:

G347B

Isotropic Graphite

1. Features

No gas permeability
High Electrical Conductivity
High Thermal Conductivity
High Flexural Strength
Excellent Resistance for Chemical

2. Typical Average Properties

<u>Properties</u>	<u>units</u>	
Specific Gravity	-	1.99
Specific Resistivity	micro-ohm-m	11.0
Young's Modulus	GPa	14.0
Flexural Strength	MPa	66.6
Thermal Conductivity	W/mK	117
Gas Permeability	cm ² / sec	N.D.
C.T.E. (r.t. – 100 °C)	10 ⁻⁶ / K	6.0
Shore Hardness	-	76
Heat Resistance	Deg. C.	170 (Max)

3. Material Size (Max.)

600 x 800 x t (mm) / t = 1 ~ 30 (mm)

4. Application

Mechanical Seal, Friction Material, Heat exchanger for Chemical Plant, Electrode for various battery, Cooling plate or Separator for Fuel Cell, etc.

Further question, please contact us,

Tokai Carbon Co., LTD. (Japan)

Fine Carbon div. +81-3-3746-5224 / +81-3-3746-6357 (fax)

Tokai Carbon U.S.A., Inc. (U.S.A.)

Sales Dep. +1-503-640-2039 / +1-503-640-5374 (fax)