

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

Properties	units	
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,

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