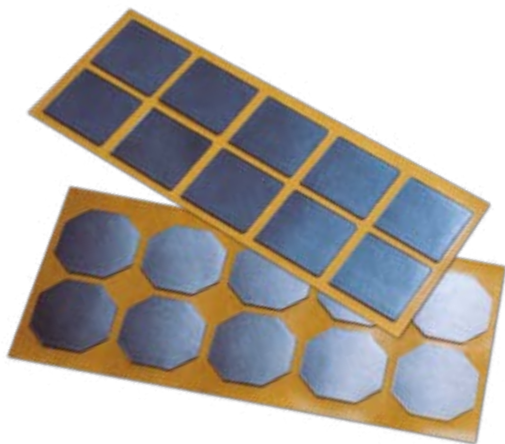
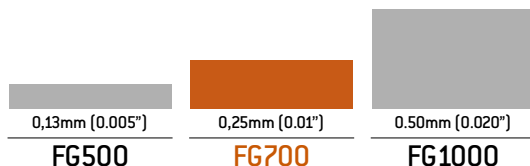


FlexGRAF[®] FG700

Thermal Interface Graphite Sheet



Thickness



Description

FlexGRAF[®] FG700 is a thermal interface material with superior thermal conductivity, both in and through-plane, which enables a homogenous thermal distribution inhibiting the formation of hot-spots. It's flexible nature allows it to be cut into diverse geometries and it's good compressibility reduces thermal contact resistance, making it a good choice for applications that require long-term performance. FlexGRAF[®] FG700 is RoHS and Reach Compliant.



Features

- High Operating Temperature Resistance: up to 750°F
- Very high heat dissipation
- Might be laminated with a electrical insulation foil to offer dielectric resistance



Delivery Format

- Rolls from 0.2" to 39.37" width and 328 ft long
- Without adhesive, or with adhesive on single or both sides
- Die-cut pieces

Typical Properties

| Characteristics | Standard | Unit | Value |
|--|------------|--|----------------|
| Color | - | - | Dark Grey |
| Specific Gravity | ASTM D792 | g/cm ³ | 1.5 to 1.6 |
| Carbon Content | - | % | 98,0 |
| Thickness | ASTM D374 | mm | 0,25mm (0.01") |
| Hardness | ASTM D2240 | Shore A | 85 |
| Tear Strength | - | psi | 650 |
| Dielectric Resistance | - | Kv | 0 |
| Operating Temperature | - | °C | -40 to 400 |
| Thermal Conductivity @ 700kPa Vertical Direction (Through-Plane) Horizontal Direction (In-Plane) | ASTM D5470 | W/m.k | 15 350 |
| Thermal Impedance @ 700 kPa | - | K-cm ² /W | 0,42 |
| Electrical Resistivity (Through Plane) | - | $\mu\Omega\text{m}$ (Direction x-y) $\mu\Omega\text{m}$ (Direction z) | 65 1250 |
| Outgassing TML | - | % | 0,15 |
| Outgassing CVCM | - | % | 0,09 |