

Technical Data Sheet

Product Description

Thermal Insulating Sheet



Material Properties

- High thermal conductivity, low resistance
- Electrical insulation
- High pressure resistance
- High tensile strength

Also Available:

- Cut per drawing and custom shapes
- Optional adhesive

Applications

- ✓ Automotive electronics
- ✓ Adapter
- ✓ Communication equipment
- ✓ Motor Controller
- ✓ High pressure interface
- ✓ Semiconductor Optoelectronic Products



EVSC1000FG

Color	White	Visual
Composition	Fiber glass	***
Thickness (mm)	0.25mm	ASTM D751
Hardness (Shore A)	90	ASTM D2240
Pressure (Psi)	10	100 200
(°C*in ² /W)	0.59	0.29 0.24
Applicable temp ^o F/ °C	-50 to 200 ^o C	***
Electrical		
Dielectric Breakdown Voltage@AC	>4000V	ASTM D149
Dielectric constant (1MHz)	3.0~3.5	ASTM D150
Volume resistivity (Ω.cm)	10 ¹¹	ASTM D257
Fire rating	V0	UL 94
Thermal conductive		
Thermal conductivity(W/m.k)	3.5	ASTM D5470
RoHS	PASS	IEC 62321
Halogen	PASS	EN14582
REACH	PASS	EN14372
Standard Sheet Size <i>(Note: Other sheet sizes may be available upon request.)</i>	305mm x 305mm	

Test fixtures using ASTM D5470. Recorded values include interface thermal resistance. These values are for reference only. The actual application performance is directly related to the applied surface roughness, flatness and pressure.

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Note: The information provided herein is accurate at time of publication. It is the responsibility of the end-user to confirm compliance to their application. All test data is typical. Therefore, these recommendations and data are for reference only and not as a product warranty.