

## 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	25	50	100	200
(°C*in2/W)	0.59	0.44	0.34	0.29	0.24
Applicable temp <sup>o</sup> F/ °C		-50 to 200 <sup>o</sup> C		* * *	
Electrical					
Dielectric Breakdown Voltage@AC		>4000V		ASTM D149	
Dielectric constant (1MHz)		3.0~3.5		ASTM D150	
Volume resistivity (Ω.cm)		10 <sup>11</sup>		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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**DigiKey**

**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.