

Technical Data Sheet

Product Description

EVSC800FG is made of ultra-thin fiberglass coated with thermally conductive silicone on one side. The overall total thickness is 0.1 mm and acts as a heat transfer as it breaks down voltage.



Benefits

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

Applications

- ✓ Power adapter
- ✓ Automobile electronics
- ✓ Communication equipment
- ✓ Motor controllers
- ✓ High pressure interface
- ✓ Semiconductor optoelectronic products



EVSC800FG Thermal Film

Color	Gray	Visual
Composition	Thermal conductive silicone, glass fiber	* * *
Thickness (mm)	0.3mm	ASTM D751
Density (g/cc)	2.2	ASTM D297
Hardness (Shore A)	45	ASTM D2240
Tensile strength (MPa)	450	ASTM D412
Operating Temperature °F / °C	(-58 to 356°F) / (-50 to 200°C)	* * *
Electrical		
Breakdown Voltage (AC KV/mm)	>5000	ASTM D149
Dielectric constant (1000 Hz)	5.5	ASTM D150
Volume resistivity	5.0 X 10 ¹³	ASTM D257
(ohm-meter)		
Flame Rating	V0	UL 94
Thermal conductivity		
Thermal Conductivity (W/m-K)	0.8	ASTM D5470
RoHS	PASS	IEC 62321
Halogen	PASS	EN14582
REACH	PASS	EN14372
Standard Sheet Size (Note: Other sheet sizes may be available upon request.)		305mm X 305mm

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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.