

Technical Data Sheet

EverTherm SC Series is a thermally conductive silicone tape offering high temperature capability and conformability. Fiberglass fabric supports the thermally conductive silicone rubber impregnation and adds dimensional stability and puncture resistance. This thin material keeps thermal resistance low and save space while providing electrical isolation.



Material Properties

- Assembly time reduced by 70% over grease & mica systems
- Puncture resistance; high thermal conductivity
- Electrically isolates power sources from heat sink devices
- Resists high pressure and deterioration
- Optional Adhesive available for ease of install
- UL94V-0 flammability rating, ROHS, halogen free
- Easy to assemble

Applications

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



EVSC900FG

Color	Brick Red	Visual
Base	Fiberglass	* * *
Thickness (mm)	0.3mm	ASTM D751
Density (g/cm ³)	2.2	ASTM D297
Hardness (Shore A)	45	ASTM D2240
Tensile Strength (psi)	450	ASTM D412
Operating Temperature	-50 to 200°C	* * *
Electrical		
Dielectric Breakdown Voltage@AC	>4000V	ASTM D149
Dielectric constant (1MHz)	5.5	ASTM D150
Volume resistivity (Ω.cm)	5.0 X 10 ¹³	ASTM D257
Fire rating	V-0	UL 94
Thermal conductive		
Thermal conductivity(W/m.k)	2.0	ASTM D5470
RoHS	PASS	IEC 62321
Halogen	PASS	EN14582
REACH	PASS	EN14372
Standard Sheet Size	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.