

Product Description

EVSF100-LFG 1.0 W/mK is a tough, wear-resistant, tensile-strength, thermally conductive silicone-based pad this is used to fill two pressure-sensitive or vibrating interfaces to allow air to escape from the interface and improve thermal conductivity. The product is self-adhesive.

Product Illustration



Features and Benefits

- Excellent Tensile and Abrasion Resistance
- Excellent Flame Retardant
- Good Electrical Insulation Performance

Applications

- Power Battery Pack
- Vehicle Navigator
- Communication and Power Equipment

(Standard sheet size 200mm x 400mm. Material may be cut per customer drawing.)

Properties	Value	Test Method
Color	White	Visual
Thickness	3.0mm	ASTM D374
Specific Gravity	2.2g/cm ³	ASTM D792
Thermal Conductivity	1.0 W/mK	ASTM D5470
Hardness (Shore00)	50-75°	ASTM D2240
Elongation	4%	ASTM D412
Tensile Strength	130psi	ASTM D412
Electrical Strength	>200VAC/mil	ASTM D149
UL Flammability Rating	UL94 V-0	E355606
Volume resistivity	7*10 ¹³ Ω.cm	ASTM D257
Operating Temperature	-50 ~ 200°C	—
Thermal Resistance(1mm,@40psi)	1.0°C*in ² /W	ASTM D5470
Compression Ratio(1mm,@40psi)	20%	—
Dielectric Constant MHz	NA	ASTM D150
RoHS (10)	PASS	IEC 62321
Halogen (4)	PASS	EN14582
REACH (191)	PASS	EN14372

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.

Product Specifications: According to Customers' Requirements

Storage & Transportation: Store in a well-ventilated, cool, and dry place, away from open flames. This product is non-toxic and should be stored and transported as a non-hazardous material.

Packaging: Customized packaging according to customer requirements.

Shelf Life: 24 months



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.

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