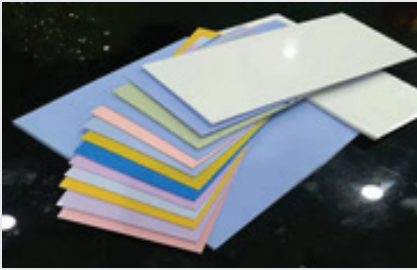


Technical Data Sheet

Product Description

EV600 thermal pad are used for filling the two contact surfaces. They are ultra-soft and have good resilience, so effectively exclude air from the contact interface. The products are naturally tacky, can be die-cut into various shapes, easy to operate. The thermal conductivity can reach 5.0 w/m-k.



Sheet Size: 300mm x 400mm

Material Properties

- High thermal conductivity
- Excellent flame retardant
- Good electrical insulation performance
- Good flexibility and high compression ratio

EVSF600

Color	Gray	Visual
Thickness	0.5 - 5.0mm	ASTM D374
Specific Gravity	3.20g/cc	ASTM D792
Thermal Conductivity	5.0 W/m-K	ASTM D470
Hardness (Shore OO)	60	ASTM D2240
Elongation	30%	ASTM D412
Tensile Strength	30psi	ASTM D412
Breakdown Voltage AC(KV)	> 2@0.5MM > 4@0.75MM	ASTM D149
UL Flammability Rating	UL94 V-0	E355606
Volume resistivity	1*10 ¹³ Ω.cm	ASTM D257
Operating Temperature	-50 ~ 200℃	
Thermal Resistance(1mm,@40psi)	0.4℃in ² /W	ASTM D5470
Compression Ratio(1mm,@40psi)	35%	
Dielectric Constant MHz	5.5	ASTM D150
RoHS (10)	PASS	IEC 62321
Halogen (4)	PASS	EN14582
REACH (191)	PASS	EN14372

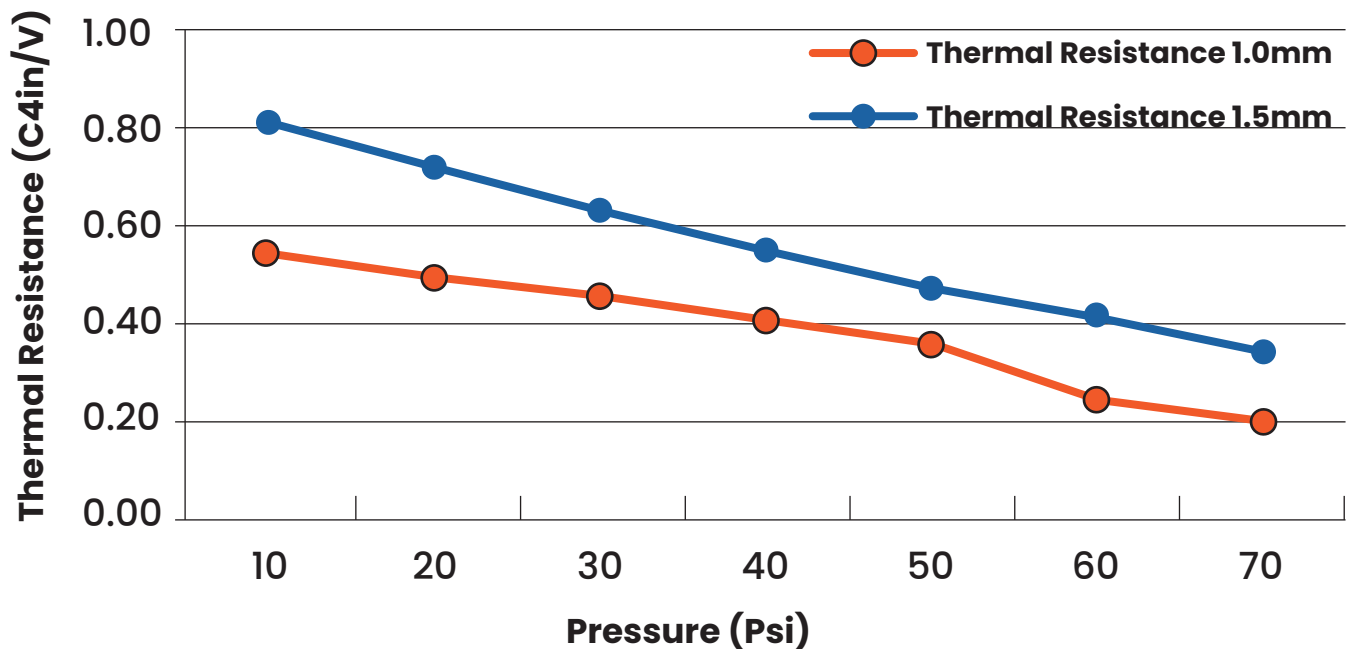
Test fixtures using ASTM D5470. Recorded values include interface thermal resistance. These values are for reference only. The actual application performance is directly related to the applied surface roughness, flatness and pressure.

EVSF600

Applications

- ✓ Semiconductor heat sink
- ✓ Vehicle navigator
- ✓ Communication & power equipment
- ✓ Graphics card, memory module
- ✓ LED lighting equipment
- ✓ LCD and plasma TV

Thermal Resistance VS Pressure



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All of the above suggestions and data are from information we believe to be accurate. Although provided in good faith, we cannot provide any advice on the application of compatibility because we have no control over the conditions and methods of use of the product. Therefore, these recommendations and data are for reference only and not as a product warranty.