EverTherm™

Technical Data Sheet

Product Description

CR Technology offers a wide variety of thermally conductive pads also known as gap fillers. These materials are available in both silicone and non-silicone formulations. EVERTHERM pads offer an endless range of thermal conductivity, softness and thickness options to easily solve any heat related issue. EVERTHERM pads are naturally tacky and can be cut to any size or shape for easy installation. EVERTHERM pads are designed and engineered to achieve the highest level of thermal management to protect today's most advanced electronics.

Material Properties

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

EVSF500

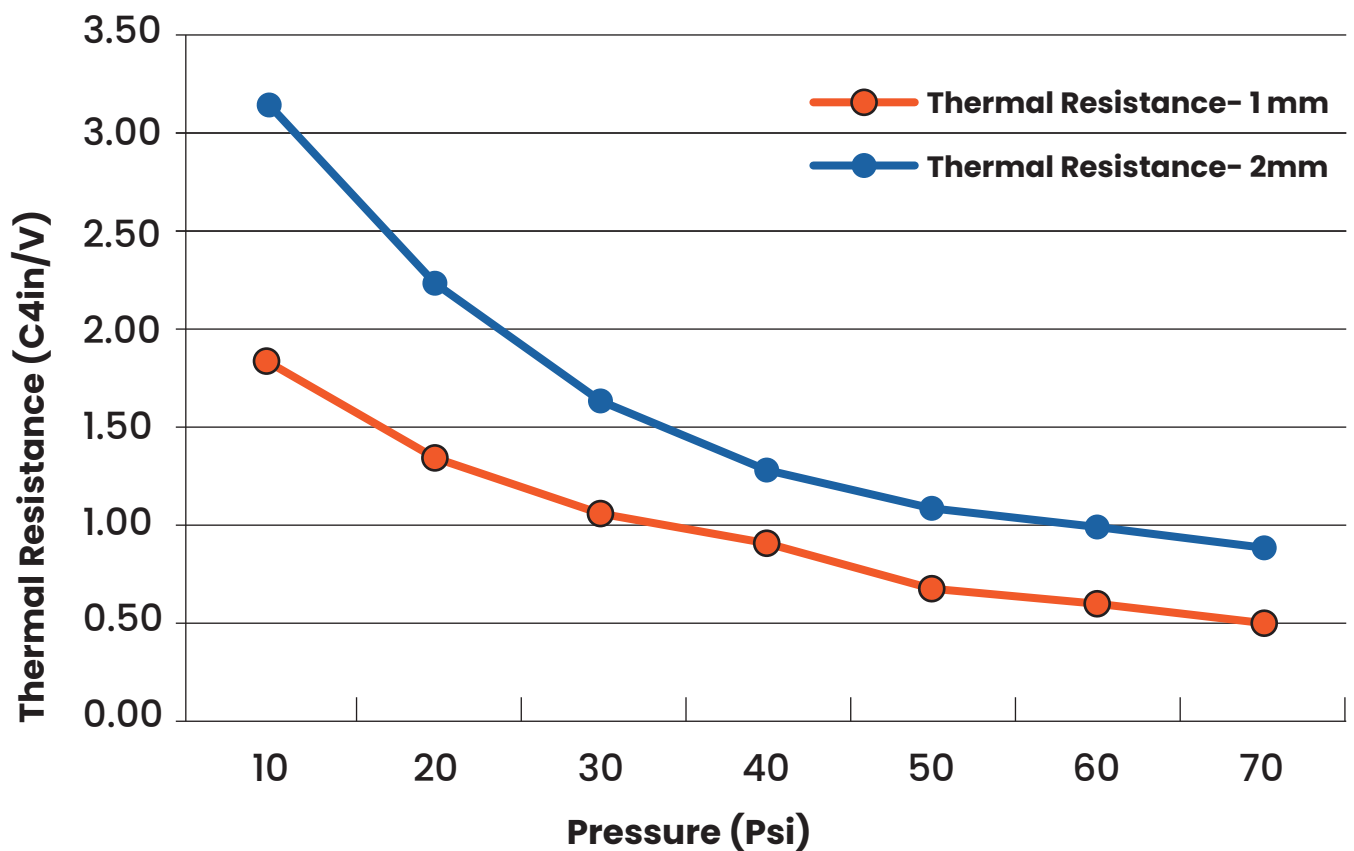|		
Color	Blue	visual
Thickness	1.0mm	ASTM D374
Specific Gravity	2.9g/cc	ASTM D792
Thermal Conductivity	3.0 W/m-K	ASTM D5470
Hardness（Shore OO）	30 - 90	ASTM D2240
Elongation	40%	ASTM D412
Tensile Strength	30psi	ASTM D412
Electrical Strength	＞8000V/mm	ASTM D149
UL Flammability Rating	UL94 V-0	——
Volume resistivity	$1*10^{13}\Omega.cm$	ASTM D257
Operating Temperature	-50 - 200℃	——
Thermal Resistance(1mm,@40psi)	0.45℃*in2/W	ASTM D5470
Compression Ratio(1mm,@40psi)	30%	——
Dielectric Constant 1MHz	7.5	ASTM D150
RoHS（10）	PASS	IEC 62321
Halogen（4）	PASS	EN14582
REACH（191）	PASS	EN14372
Standard Sheet Size *(Note: Other sheet sizes may be available upon request.)*	200mm x 300mm	

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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Thermal Resistance VS Pressure

Legend:
- Thermal Resistance- 1 mm
- Thermal Resistance- 2mm

X-axis: Pressure (Psi)
Y-axis: Thermal Resistance (C4in/v)

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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.