

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

EVSF1000

Color	Gray	Visual
Thickness	0.5 - 5.0mm	ASTM D374
Specific Gravity	3.40g/cc	ASTM D792
Thermal Conductivity	10.0 W/m-K	ASTM D5470
Hardness (Shore OO)	40-80	ASTM D2240
Elongation	15%	ASTM D412
Tensile Strength	10psi	ASTM D412
Breakdown voltage strength	>6KV AC/mm	ASTM D149
UL Flammability Rating	UL94 V-0	
Volume resistivity	$1 \times 10^{12} \Omega \cdot \text{cm}$	ASTM D257
Operating Temperature	-50 - 150°C	--
Thermal Resistance(1mm,@40psi)	0.12°C*in ² /W	ASTM D5470
Compression Ratio(1mm,@40psi)	30%	--
Dielectric Constant MHz	12	ASTM D150
RoHS	PASS	IEC 62321
Halogen	PASS	EN14582
REACH	PASS	EN14372
Standard Sheet Size	200 x 300mm	
<i>(Note: Other sheet sizes may be available upon request.)</i>		

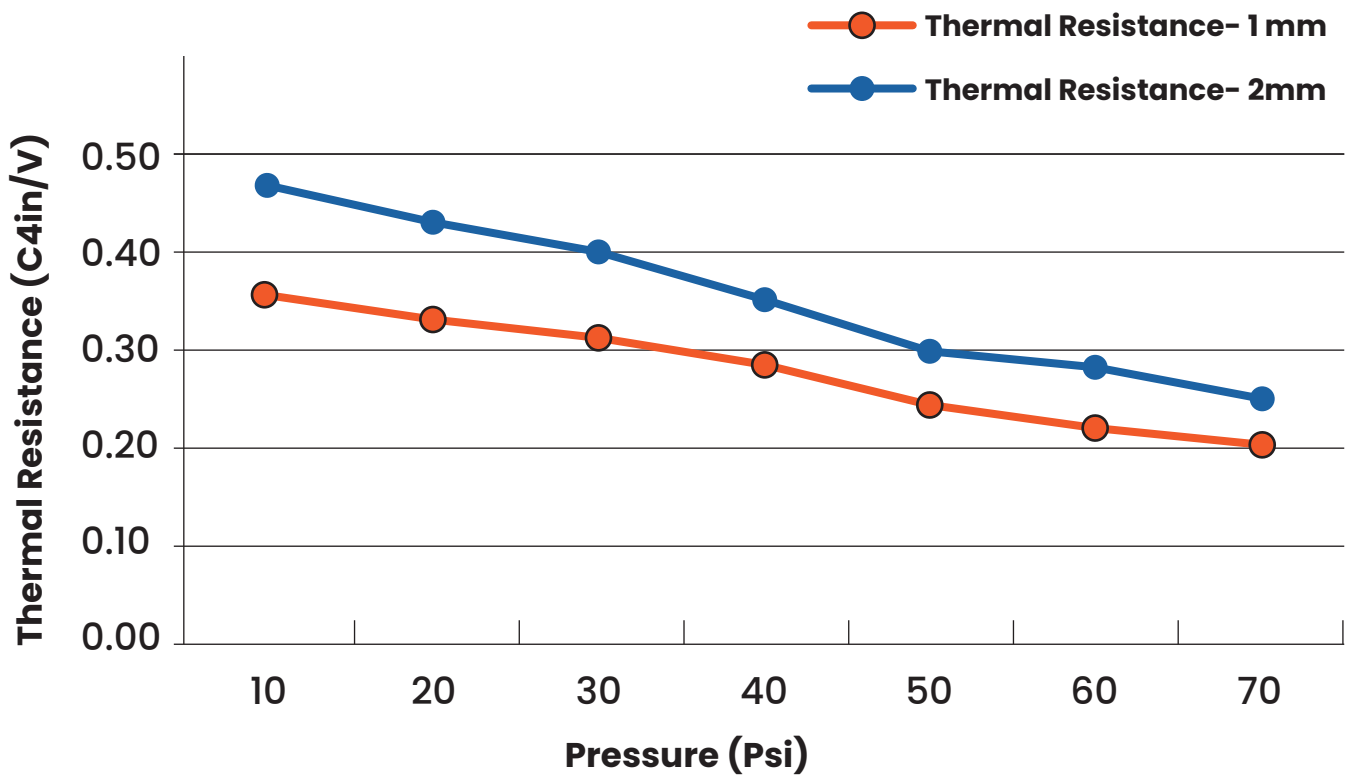
Test fixtures using ASTM D5470. Recorded values include interface thermal resistance. These values are for reference only. The actual application performance is directly related to the applied surface roughness, flatness and pressure.

Applications

- ✓ Semiconductor heat sink
- ✓ Electric Vehicle (EV) Batteries
- ✓ Communication & power devices & modules
- ✓ LED lighting equipment
- ✓ Electronic components like:
LEDs, CPUs, MOS • Mobiles, Laptops, Tablets

EVSF1000

Thermal Resistance VS 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.