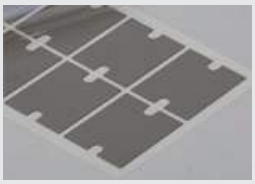
EverTherm™

Technical Data Sheet

EverTherm non-silicone thermal pads are manufactured from an advanced resin. They will not damage or promote circuit failure and have no siloxane volatilization resulting in no silicone oil seeping. EverTherm Non Silicone pads exhibit low outgassing, excellent tensile and wear resistance.



Material Properties

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

Applications

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

EVAF800 NON-SILICONE

Color	Light Gray	Visual
Thickness	1.0mm	ASTM D374
Specific Gravity	3.4g/cm3	ASTM D792
Thermal Conductivity	8.0 W/m.k	ASTM D5470
Hardness(Shore 00)	45-80	ASTM D2240
Elongation	30%	ASTM D412
Tensile Strength	30psi	ASTM D412
Dielectric Breakdown Voltage	>8KV/mm	ASTM D149
Flammability Rating	94 V-0	UL 94
Volume Resistivity	$10^{13}\Omega$.cm	ASTM D257
Operating Temperature	-40-120℃	– –
Thermal Resistance(1mm,@40psi)	0.10°C*in2/W	ASTM D5470
Compression Ratio(1mm,@40psi)	20%	– –
RoHS	PASS	IEC 62321
Halogen	PASS	EN14582
REACH	PASS	EN14372
Standard Sheet Size *(Note: Other sheet sizes may be available upon request.)*	200 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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