

Technical Data Sheet

Product Description

Sometimes referred to as heat sink compound, thermal paste or thermal interface material (TIM), thermal grease is a thermally conductive material used to connect a heat source to a thermal spreading device. With its excellent performance and flexibility, EverTherm Thermal Grease can be used in a variety of thermal applications such as heat sinks. Our EverTherm SG Series Thermal Grease improves a system's overall thermal conductivity and effectiveness. EverTherm SG Silicone Thermal Grease is a paste like compound that will not dry out over time and can be applied with ease. EverTherm SG Thermal Grease is often used in CPU, GPU and other chip components which require a high performing thermal compound.

EverTherm SG Series Silicone Grease

Applications

- ✓ High frequency microprocessor
- ✓ Notebook and desktop computers
- ✓ Cloud server networks
- ✓ Power adapter
- ✓ Audio video equipment
- ✓ Power Amplifiers
- ✓ LED lighting products



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.

EverTherm Thermal Grease Series

Properties of products	EVSG560-10	EVSG560-18	EVSG560-25	EVSG560-30	EVSG560-40	EVSG560-50	Test Method
Color	White	White	Gray	Gray	Gray	Gray	Visual
Viscosity 25°C	150 Pa.s	200 Pa.s	220K cps	240K cps	350K cps	450K cps	Brookfield RVF, #7
Density g/cm ³	2	2.2	2.4	2.5	2.6	2.8	***
Applicate Temperature° F/°C	(-45 to 150°C)	(-45 to 150°C)	(-45 to 150°C)	(-45 to 150°C)	(-45 to 150°C)	(-45 to 150°C)	***
Thermal Conductivity W/mK	1.0	1.8	2.5	3	4.0	5	ASTM D5470
Volatilization(200°C,24H)	0.28	0.24	0.22	0.2	0.2	0.14	***
Oil Bleeding(200°C,24H)	5.4	4.7	4.3	4	3.8	3.6	***
Thermal Impedance (°C-in ² /W)@50psi	0.05	0.034	0.14	0.12	0.12	0.07	ASTM D5470
RoHS	PASS						IEC 62321
Halogen	PASS						EN14582
REACH	PASS						EN14372

Test fixtures were conducted 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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