

EMSG-704

Thermally Conductive Grease

PRODUCT DESCRIPTION

As the electronic components are getting miniaturized, these devices need to have good medium for thermal conductivity in order to for the heat to be efficiently dissipated to the surrounding and to avoid overheating which may reduce the performance of the devices. EMSG-704 is thermally conductive grease with excellent thixotropic characteristics to ensure a good long-term thermal effect, convenient to use and it has low oil separation. EMSG-704 is using widely in communication equipment, power supply module and LED assembly.

TECHNICAL PROPERTIES

	EMSG-704
Color	Grey
Appearance	Paste-like
Parts	Single
Viscosity (mPa.s @ 25°C)	Non viscous
Density (g/ml @ 25°C)	2.6
Thermal conductivity (W/mK)	>3.0
Largest particle (micron)	25
Volatile components (%)	<1
Oil Separation @ 120°C for 24 hrs. (%)	<0.1
Volume resistivity (ohm.cm)	4.1 X 10 ¹¹
Degradation @ 150°C for 24 hrs	No change noted
Regulation pass	RoHS

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HOW TO USE

1. Ensure that all substrates are clean and dry.
2. Apply the grease to the surface of an electronic device or heat sink.
3. Compress the electronic device and heat sink together in order for the thermal grease to form a thin interface between the two surfaces.
4. Reinforce the heat sink.

SPECIAL NOTES

- A. Apply the thermal grease evenly on the surface of the electronic device and heat sink. Ensure that both surfaces are flat to obtain maximum contact.
- B. If surface oil slick found in container of grease, stir and mix it onto the grease.
- C. Avoid bubble formation in the thermal grease.
- D. Apply pressure on the heat sink evenly in order to make sure the thickness of the thermal grease is evenly spread.

STORAGE

Store in cool and dry place which at room temperature.

EMSG-704 has a shelf life of 24 months under the suggested storage condition.

HEALTH AND SAFETY

Refer to the MSDS for guidance on safety and health issues.

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