

TH 976-1

Silicone Thermal Grease

Description

TH 976-1 is a white colored, highly filled silicone system, and thermally conductive, suitable for used as thermal interface material for electronic devices. The silicone grease is non curable, thermally stable (up to 180°C) and non corrosive. In addition, it has relatively low viscosity and with controlled flowability, it is suitable for stencil printing or dispensing process.

Applications

1. Silicone based grease to dissipate heat from electronic components.

Guidelines for Use

1. Stir the silicone grease prior to use. Dispense it by using a syringe.
2. Alternatively, the silicone grease can be applied by stencil printing process.
3. Wipe off any excess grease with a piece of dry cloth or tissue. Further cleaning may be achieved with tissue dabbed with isopropanol.

Storage

Tightly close original container of unused product. Store it in a cool and dry place.

Properties

Properties	Test Method	Unit	Typical Value
Color	PEN 10	-	White
Viscosity, Brookfield CAP2000+, C06, 50rpm, 25°C	PEN 44	cP	18,500
Flow test, 45° incline	PEN 15	mm	Non flow
Thixotropic index, 5rpm/50rpm	PEN 37	-	4.5
Thermal Conductivity	ASTM D5470	W/mK	1.5
Specific gravity	PEN 14	-	2.1
Shelf life, 25°C	PEN 26	Month	12

1. Most of the test methods correspond to American Standard Test Methods (ASTM).
2. The values above are tested based on batch to batch basis. These values are not use as a basis for preparing specifications.

Packaging

- 30ml EFD syringe
- 500ml plastic jar
- 1kg plastic pail

Environment, Health & Safety

This product is RoHS compliant. It does not contain any known carcinogenic, mutagenic or teratogenic components.

Contact Information

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