

TECHNICAL DATA SHEET

My-T-Therm® 70 TCG

Thermally Conductive Grease

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METLOK PRIVATE LIMITED
(An ISO 9001 Certified Company)
W-27, M.I.D.C. Industrial Area
Kalmeshwar – 441 501, Nagpur

Product Description

My-T-Therm® 70 TCG is a non-curing thermal interface material designed to transfer thermal energy from a heat source to a heat sink. This product delivers high thermal conductivity and electrical resistance over wide temperature range.

Special features:

- ❖ Good thermal conductivity
- ❖ Stable at high temperature
- ❖ Low oil bleed.

Applications:

Processor chips, CPU, Transistor thermal modules and other heat generating electronic components to PCB assemblies or heat sinks.

Properties

My-T-Therm® 70 TCG provides the following product characteristics:

Technology	: Silicone Grease
Components	: One component
Appearance	: Off White paste
Specific Gravity @ 25 °C	: 1.84 ±0.03
Viscosity Brookfield DV II+ Pro @ 25±2 °C;	: 2,00,000-2,50,000 cP
Spindle#7 Speed 5 r.p.m. ASTM D1084	
Thermal Conductivity, ISO 22007	: 0.7 W/(m-K)
Temperature range	: -50 to 150 °C
Application	: Thermal management

Directions for use

1. For best performance clean all surfaces (external and internal) with a cleaning solvent and allow drying. The assembled surfaces should be clean and free from dust dirt, oil, grease and other foreign materials.
2. Apply My-T-Therm® 70 TCG to the desired surface and assemble the pieces.
3. Apply enough material to cover 100% area.

Handling precautions

For safe handling My-T-Therm® 70 TCG must be handled in a manner as indicated in Material Safety Data Sheet (MSDS) and in compliance with relevant local regulations.

- ❖ My-T-Therm® 70 TCG may affect certain plastics particularly thermoplastic materials or coatings. It is recommended to check all surfaces for compatibility before use.
- ❖ My-T-Therm® 70 TCG is non-volatile and non-flammable at room temperature.

Storage

- ❖ Store Product My-T-Therm® 70 TCG in a cool, dry location in unopened containers at a temperature at 25±2 °C unless otherwise specified.
- ❖ Store away from sunlight and heat sources.
- ❖ My-T-Therm® 70 TCG will exhibit a shelf life of twelve months from the date of manufacturing when stored in above mentioned conditions.
- ❖ To prevent contamination of unused product, do not return any material to its original container. For further specific shelf life information, contact our technical service center R&D Center.

Pack Size

My-T-Therm® 70 TCG is ideally available in 500gm and 1kg pack.

Note

All statements, technical information and recommendations set forth herein are based on tests which Metlok Private Limited, believes to be reliable. However, Metlok Private Limited does not guarantee their accuracy or completeness. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling

and use thereof. In no case will Metlok Private Limited be liable for direct, consequential economic or other damages.

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(Bonding and Sealing Solutions)

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