

Thermal Grease

Technical Data Sheet | 2020.6



TCG-Grease-5000 is a silicone-based thermal grease for use in high performance CPUs and GPUs. With a high thermal conductivity of 5.0 W/ m·K (without solvent),

TCG-Grease-5000 thoroughly wets out thermal surfaces to create very low thermal resistance.

TCG-Grease-5000 is lowers the viscosity to make mixing and application easier.

TCG-Grease-5000 is RoHS compliant, and is supplied in one-half kilogram and one kilogram containers.

Features

- low thermal resistance.
- lower viscosity
- easy handle
- Thermal conductivity 5.0W/m·K

Typical Applications

- CPUs (Notebooks, Desktops, Servers)
- Custom ASICS Chips
- GPUs (Graphics Chips)
- Northbridge Chipsets
- IGBT
- LED

Spec	Typical Value	Test method
Color	Gray	Naked eyes
Thermal conductivity (W/m·K)	5.0	ASTM D5470
Viscosity(cps)	<250,000 (with solvent)	ASTM D2196
Density(g/cc)	2.7	ASTM D792
UL Flammability Rating	V-0	UL 94
Bulk Resistivity (Ohm-cm)	10 ¹¹	ASTM D2240
Operating Temperature (° C)	-40 ~150	/
Typical thickness after compression (um)	45	/
Thermal Impedance @50psi (°C-cm ² /W)	0.05	ASTM D5470
Thermal Impedance @100psi (°C-cm ² /W)	0.04	ASTM D5470

Application Tips

- Keep the product away from fire
- Please confirm the correctness of use before using
- Make sure the application interface is clean before use
- Use a pneumatic dispenser to point directly to the component, or other methods to dispense directly. This gel is reworkable and excess material can be easily wiped off

Storage and Expiration Date

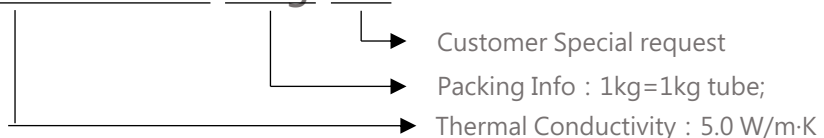
- Storage: Store from 20°C to 35°C with a maximum humidity of 50%. Expired 12 months from manufacturing date.

Package Packing Information

- The grease is available in 0.5kg, 1.0kg package or other volume upon request

Product Naming

TCG-Grease5000-1kg-NA



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