

Electromechanical relays boxes and accessories

Heat transfer thermal compound

Main use	Filler	Binder	Max. Temperature	Thermal conductivity	Type
Thermostats Temperature sensors Solid state relays	Al ₂ O ₃	Silicone oil	300°C	>1.25W/mK	9GBA 9GBB



Thermal compound

- Recommended for mounting solid state relays, temperature sensors, thermostats and limiters bulbs.
- Improves the thermal conduction between pockets and probes, between the surfaces and disc thermostats, temperature sensors and solid state relays.
- It is composed of a silicone-based binder and highly conductive pure metal oxide nano-powders, thereby the heat transfer coefficient is exceptionally high. It retains its electrical insulation and thermal conductivity characteristics at high temperatures with almost no separation or evaporation of the silicone binder.
- Store away from light.
- 1 year storage at 25°C

Specifications	Value
Appearance	White paste
Density (25°C)	2.7
Viscosity (needle penetration) (1/10mm, 25°C)	250
Weight loss through evaporation (200°C,24h)	≤0.2%
Loss of bond after 24h @200°C,	≤0.2%
Volume resistivity (Ω CM)	2 × 10 ¹⁴
Dielectric value γ(60Hz)	3.8
Dielectric dissipation factor (60Hz)	0.005
Thermal conductivity (W/mk)	≥1.25
Operational temperature range (°C)	-50~300
Maximum critical temperature (°C)	340±10

Reference	Packaging
9GBBK01187W00000	1kg jar
9GBA080187W00000	30ml, 80grs syringe

Because of permanent improvement of our products, drawings, descriptions, features used on these data sheets are for guidance only and can be modified without prior advice



Contact us

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