

# TG Series

## High performance thermal grease

TG series thermal conductivity silicone grease is a kind of high thermal conductivity silicone grease, which can effectively reduce the contact thermal resistance between the radiator and the heat source. Suitable for applications requiring minimal compression thickness, constant pressure and easy screen printing for optimal performance



### FEATURES / BENEFITS

- 1.0 - 3.0 W/m.K
- No cure required
- High reliability
- Minimizes contact resistance
- High volume applications

### TYPICAL APPLICATIONS

- Networking and Telecommunications
- IT: Notebooks, Tablets, Memory Modules
- Industrial: LEDs, Power Supplies
- Consumer Electronics: Gaming Systems, LCD TVs, Displays

Typical Properties					
Attribute	Value				Test Method
	TG100	TG200	TG300-S	TG300	
	TG100	TG200	TG300-S	TG300	-
Composition	Non-Vulcanized Silicone Oil and Thermally Conductive Filler Mixture				
Color	White	White	Grey	Grey	Visual
Density(g/cc)	2.7	2.8	3.3	3.3	ASTM D792
Cone Penetration (0.1mm/25°C)	250	280	320	280	GB/T269
Usage Temperature(°C)	-40 to 150	-40 to 150	-40 to 150	-40 to 150	-
Flammability	V-0	V-0	V-0	V-0	UL 94
<b>Electrical</b>					
Breakdown Voltage (kV/mm)	≥4.0	≥4.0	> 5.0	> 5.0	ASTM D149
<b>Thermal</b>					
Thermal Conductivity(W/m.K)	1.0	2.0	3.0	3.0	ISO 22007-2
Thermal Resistance (°C*in <sup>2</sup> /W)	≤0.15	≤0.06	≤0.04	≤0.04	ASTM D5470

