

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



TYPICAL APPLICATIONS

FEATURES / BENEFITS

- 1.0 - 3.0 W/m.K
- No cure required
- High reliability
- Minimizes contact resistance
- High volume 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	-
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
Electrical					
Breakdown Voltage (kV/mm)	≥4.0	≥4.0	> 5.0	> 5.0	ASTM D149
Thermal					
Thermal Conductivity(W/m.K)	1.0	2.0	3.0	3.0	ISO 22007-2
Thermal Resistance (°C*in ² /W)	≤0.15	≤0.06	≤0.04	≤0.04	ASTM D5470

Any information provided in this document is considered accurate. All specifications are subject to change without notice. All products and services are sold under the terms and conditions of sale. Neither the seller nor the manufacturer is liable for any direct, incidental or consequential loss or damage to the infringement or contract, including loss of profits or income resulting from the use or inability to use the product. Unless the seller and the manufacturer's official sign the agreement, the seller or the purchaser's statement, purchase order or advice not included here shall have no effect or effect. © Copyright 2019, AOCHUAN TECHNOLOGY.

