

TCSG3000 **Thermal Conductive Silicone Gel**

Product Description

TCSG3000 is an excellent thermal conductive silicone gel, which can easily fit and adhere to most shapes and sizes of components, and the thermal conductivity is high as 3.0W/m•K. TCSG3000 can provide extremely low thermal impedance when at thin bondline thickness.

Features

- Dispensable pre-cured gel and easy for application
- Soft and easily fit and adhere to components
- Extremely high thermal conductivity: 3.0W/m-K
- Low thermal resistance
- Low minimum bond line thickness
- No pump-out
- Natural tacky surface and reworkable
- Long-term using and storage stability
- RoHS Compliant

Approvals

RoHS Compliant Yes

Typical Applications

- Microprocessors/Graphics Processors
- Automotive Electronic Control Units(ECU's)
- Telecom Device
- Wireless hub
- Memory & Power Modules
- Power Supplies and Semiconductors
- Consumer electronics

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BS EN ISO 9001:2008
Certificate No. FM 32082

Typical Properties

Color:	Gray
Specific Gravity:	3.2
Flow rate @ 30cc taper tip, 0.100" orifice, 90psi:	60 grams/min
Typical Minimum Bond Line Thickness	0.035mm
Thermal Conductivity:	3.0 W/mK
Flammability Rating:	UL 94 V-0
Operation Temperature Range:	-50~200 °C
Dielectric Strength:	8 kV/mm
Volume Resistivity:	1.0*10 ¹⁴ Ohm-cm

Storage

Store from 5°C to 35°C with a maximum humidity of 50%. Do not store in a freezer.