

Item # Tgrease 2500 /, Tgrease™ 2500



Tgrease™ 2500
 Environmentally Friendly Thermally Conductive Grease

Tgrease™ 2500 is a silicone-free thermal grease for use in high performance CPU's and GPU's. With a high thermal conductivity of 3.8 W/m-K, Tgrease™ 2500 thoroughly wets out thermal surfaces to create very low thermal resistance. Tgrease™ 2500 eliminates the migration issues of silicone based grease to create superior reliability. Tgrease™ 2500 is ideal for situations where automatic dispensing and screen-printing are required. Tgrease™ 2500 is non-toxic and environmentally safe. Tgrease™ 2500 is available in 1 kg (pint container), 3 kg (quart container), and 10 kg (gallon container) or custom packaged in syringes for automated applications.

SPECIFICATIONS

Color	White
Test Method - Color	Visual
Density	3.42 g/cc
Viscosity	2500000 cps
Test Method - Viscosity	Brookfield Viscometer
Temperature Range	-55 to 150 °C
Outgassing TML	0.91 %
Test Method - Outgassing TML	ASTM E595
Outgassing CVCM	0.15 %
Test Method - Outgassing CVCM	ASTM E595
UL Flammability Rating	94 V0
Thermal Conductivity	3.80 W/m-K
Test Method - Thermal Conductivity	ASTM D5470 (modified)
Thermal Resistance at 10 psi	0.023 °C-in ² /W 0.150 °C-cm ² /W
Thermal Resistance at 50 psi	0.020 °C-in ² /W 0.130 °C-cm ² /W

Test Method - Thermal Resistance	ASTM D5470 (modified)
Volume Resistivity	3.5×10^{12} ohm-cm
Test Method - Volume Resistivity	ASTM D257
Dielectric Constant at 1 kHz	5.7
Dielectric Constant at 1 MHz	5.60
Test Method - Dielectric Constant	ASTM D150