

Item # Tgrease 1500 /, Tgrease™ 1500



Tgrease™ 1500

Tgrease™ 1500 is environmentally safe silicone-based thermal grease designed to solve overheating and reliability issues.

Due to its proprietary silicone filler matrix, Tgrease™ 1500 thoroughly wets out contact surfaces to create a low thermal resistance of 0.021 °C-in²/W at 50 psi.

Tgrease™ 1500 can be used in pneumatic dispensing and screen printing systems.

Tgrease™ 1500 is available in 1 kg (pint container), 2 kg (quart container), and 7 kg (gallon container) or custom packaged in syringes for automated applications.

SPECIFICATIONS

Color	White
Test Method - Color	Visual
Density	2.60 g/cc
Viscosity at 22°C	1.5 x 10 ⁶
Test Method - Viscosity	Brookfield DV-II+ Spindle –T-F; Speed 2 rpm
Max. Operating Temperature	125 °C
Outgassing TML	0.79 %
Test Method - Outgassing TML	ASTM E595
Outgassing CVCM	0.12 %
Test Method - Outgassing CVCM	ASTM E595
UL Flammability Rating	pending
Thermal Conductivity	1.20 W/m-K
Test Method - Thermal Conductivity	Hot disk thermal constants analyzer
Thermal Resistance at 50 psi	0.021 °C-in ² /W
Thermal Resistance at 344.7 KPa	0.135 °C-cm ² /W
Test Method - Thermal Resistance	ASTM D5470 (modified)

Volume Resistivity at 100 VDC	7×10^{11} ohm-cm
Test Method - Volume Resistivity	ASTM D257
Dielectric Constant at 1 kHz	5.9
Dielectric Constant at 1 MHz	5.80
Test Method - Dielectric Constant	ASTM D150