

## **Tgrease™ 1500 SERIES SOLVES OVERHEATING AND RELIABILITY ISSUES**

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-in<sup>2</sup>/W at 50 psi.

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

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

## **FEATURES AND BENEFITS**

- Environmentally safe
- Thoroughly wets out contact surfaces to create low thermal resistance
- Available in 1/2kg, 1kg, 3kg, 7kg, 20kg bulk container, and 10cc, 30cc syringe

## **APPLICATIONS**

- Microprocessors
- Chipsets
- Graphic processing chips
- Custom ASICs
- IGBT
- TO220, TO240, and other standard packages
- Power supplies

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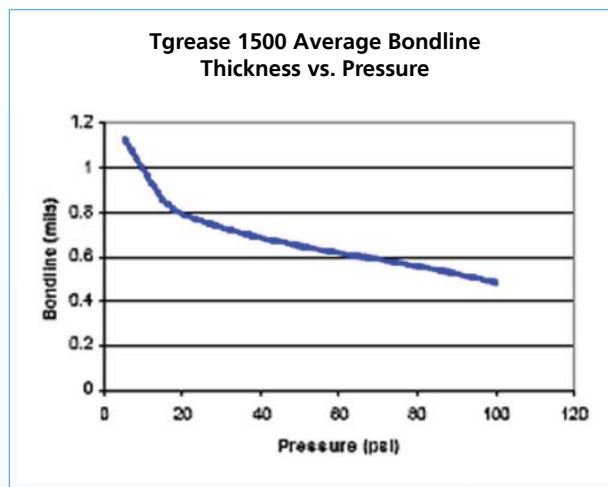
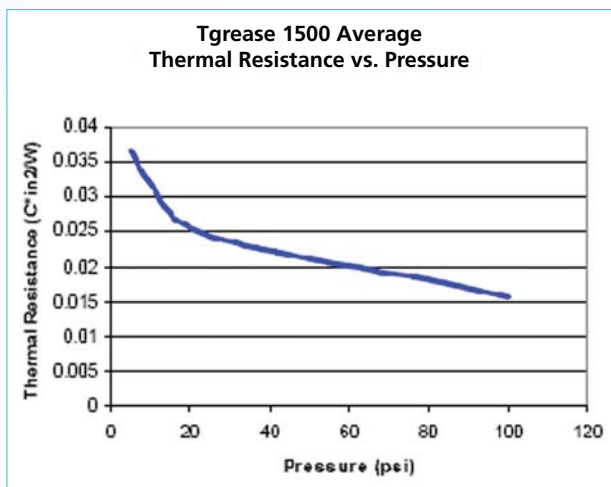
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TYPICAL PROPERTIES	TGREASE™ 1500	TEST METHOD
Color	White	Visual
Density	2.6 g/cc	
Viscosity @ 22°C	1.5 x 10 <sup>6</sup>	Brookfield DV-II+ Spindle –T-F; Speed 2rpm
Maximum Operating Temperature	125°C	
Outgassing (TML)	0.79%	ASTM E595
Outgassing (CVCM)	0.12%	ASTM E595
UL Flammability Rating	Pending	
Thermal Conductivity	1.2 W/mK	Hot Disk Thermal Constants Analyzer
Thermal Resistance @ 50 psi	0.021 °C-in <sup>2</sup> /W	ASTM D5470 (modified)
@ 344.7 KPa	0.135 °C-cm <sup>2</sup> /W	ASTM D5470 (modified)
Volume Resistivity	7 x 10 <sup>11</sup> @ 100 volts DC	ASTM D257
Dielectric Constant @ 1KHz/1MHz	5.9 / 5.8	ASTM D150



Data for design engineer guidance only. Observed performance varies in application. Engineers are reminded to test the material in application.

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