



A COST EFFECTIVE, THERMALLY CONDUCTIVE GREASE

Tgrease[™] 1500 is an environmentally-safe, silicone-based, thermal grease designed to solve common, everyday overheating and reliability issues, cost effectively.

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 1kg (pint container), 2 kg (quart container) and 7 kg (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
- Easy to use
- Cost effective

MARKETS / APPLICATIONS

- Handsets
- Tablets
- Notebooks
- Flat Panel Displays
- Microprocessors
- Chipsets
- Power Modules
- Graphics Cards
- Memory Module

TYPICAL PROPERTIES		TEST METHOD
Color	White	Visual
Specific Gravity (g/cc)	2.6	Helium Pycnometer
Viscosity at 22°C (cP)	90,000	Brookfield DV-II+ Spindle – T-D Speed 10 RPM
Max Continuous Use Temp (°C)	125°C	
Thermal Conductivity (W/mK)	1.2	Hot disk
Thermal Resistance (°C in ² /W)		
10 psi	0.037	ASTM D5470
50 psi	0.021	(modified)
Thermal Resistance (°C cm ² /W)		
68.9 kPa	0.239	ASTM D5470
344.7 kPa	0.135	(modified)
Outgassing (TML)	0.79%	ASTM E595
Outgassing (CVCM)	0.12%	ASTM E595
UL Flammability Rating (UL 94)	V0	UL94

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THR-DS-Tgrease 1500_012317

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