

THERMAGON, INC.

A DIVISION OF LAIRD TECHNOLOGIES

T-grease™ 2500 Series

Thermally Conductive Grease

T-grease™ 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/mK, T-grease™ 2500 thoroughly wets out thermal surfaces to create very low thermal resistance. T-grease™ 2500 eliminates the migration issues of silicone-based grease to create superior reliability. T-grease™ 2500 is ideal for situations where automatic dispensing and screen-printing are required. T-grease™ 2500 is non-toxic and environmentally safe.

T-grease™ 2500 is available in 1kg (pint container), 3kg (quart container), and 10kg (gallon container) or custom packaged in syringes for automated applications.



		Test Method
Color	White	Visual
Density	3.42 g/cc	Helium Pycnometer
Viscosity	Dispensable / Screen-printable	
Maximum Operating Temperature	150 °C	
Outgassing (TML)	0.91%	ASTM E595
Outgassing (CVCN)	0.15%	ASTM E595
UL Flammability Rating	94 VO	
Thermal Conductivity	3.8 W/mK	ASTM D5470 (modified)
Thermal Resistance @ 50 psi @ 344.7 KPa	0.017 °C-in ² /W 0.110 °C-cm ² /W	ASTM D5470 (modified)
Volume Resistivity	3.5 x 10 ¹² @ 100 volts DC	ASTM D257
Dielectric Constant @ 1KHz/1MHz	5.7 / 5.6	ASTM D150

Gap Fillers | Thermally Conductive Insulators | Thermally Conductive PCB Materials | Greases | Phase Change Materials

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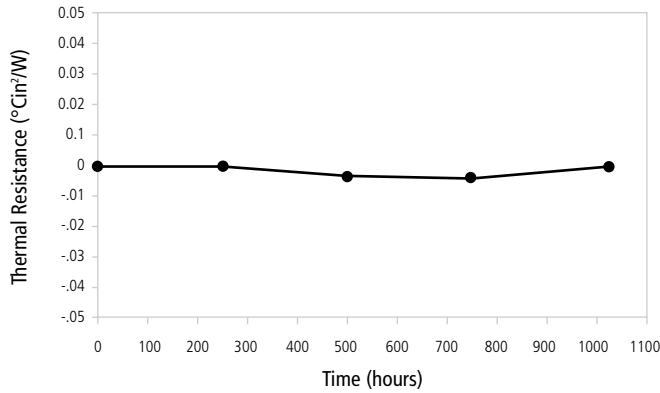
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Combining the strengths of
Thermagon, Warth and Orcus

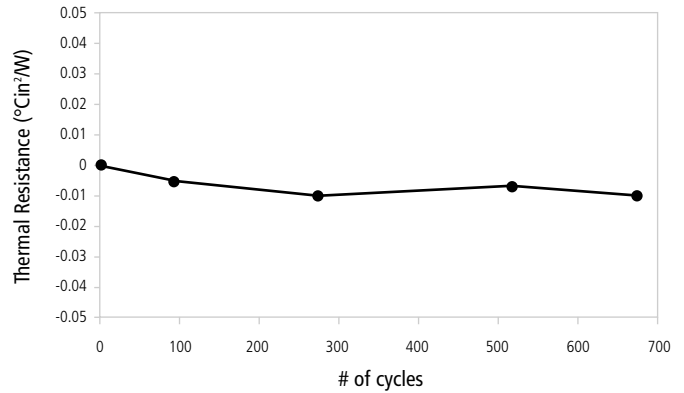
cool
components
make for
cool products


Certified to
ISO 9001:2000,
with design

T-grease 2500 Reliability
Thermal Bake @125°C

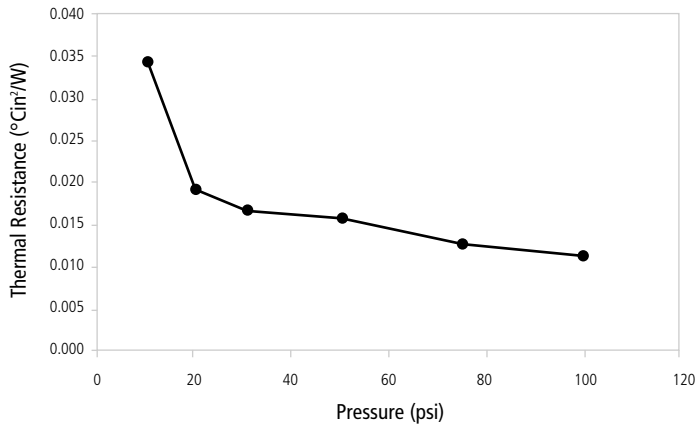


T-grease 2500 Reliability
Thermal Cycle -55°C to 125°C

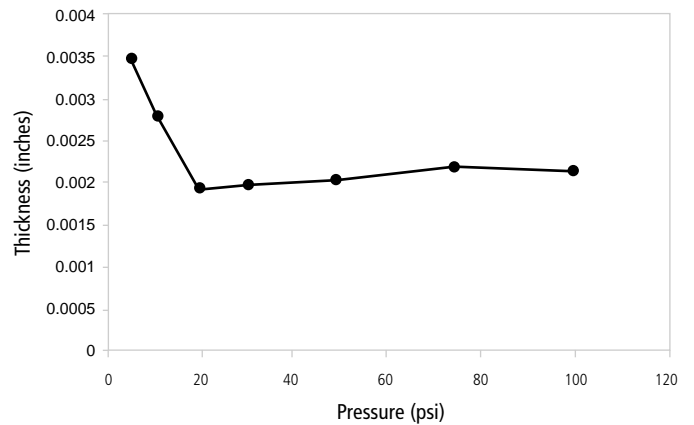


The thermal resistance shown in the above graphs is to provide reliability data only. It does not represent the actual thermal resistance of the material. See reliability report (A14349-00).

T-grease 2500 Average
Thermal Resistance vs. Pressure



T-grease 2500 Bondline Average
Thickness vs. Pressure



Our customers are reminded that they bear the responsibility for testing Thermagon, Inc. materials for their proposed use. Any information furnished by Thermagon, Inc. and its agents is believed to be accurate and reliable, but our customers must bear all responsibility for the use and application of Thermagon, Inc. materials since Thermagon and its agents cannot be aware of all potential uses. Thermagon makes no warranties as to the fitness, merchantability, or suitability of any Thermagon, Inc. materials or products for any specific or general uses. Thermagon, Inc. shall not be liable for incidental or consequential damages of any kind. All Thermagon, Inc. products are sold pursuant to the Thermagon, Inc. domestic terms and conditions of sale in effect from time to time, a copy of which will be furnished upon request. A14265-00 Rev. D EO# 4945 6/28/04

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