



## 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/mK, Tgrease™ 2500 thoroughly wets out thermal surfaces to create very low thermal resistance.

Tgrease™ 2500 eliminates the migration issues of siliconebased 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 1kg (pint container), 3kg (quart container), and 10kg (gallon container) or custom packaged in syringes for automated applications.

## APPLICATIONS

- High performance CPU's and GPU's
- Chipsets
- Graphic processing chips
- Custom ASICs

PROPERTIES	
Color	White
Density	3.42 g/cc
Viscosity Brookfield Viscometer	2,500,000cP TF spindle at 2rpm (helipath) and 23°C
Temperature Range	-55°C to 150°C
Outgassing (TML)	0.91%
Outgassing (CVCM)	0.15%
UL Flammability Rating	94 V0
Thermal Conductivity	3.8 W/mK
Thermal Resistance @ 10 psi	0.023°C-in²/W (0.15 C-cm²/W)
@ 50 psi	0.020°C-in²/W (0.13 C-cm²/W)
Volume Resistivity	3.5 x 10 <sup>12</sup> Ohm-cm
Dielectric Constant @ 1KHz/1MHz	5.7 / 5.6

## global solutions: local support™

Americas: +1.800.843.4556

Europe: +49.8031.2460.0

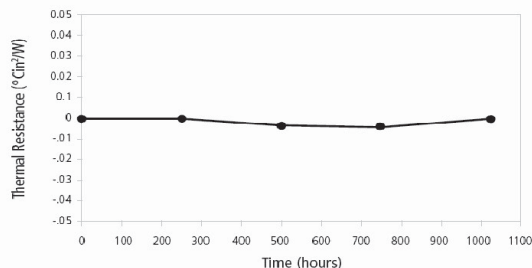
Asia: +86.755.2714.1166

CLV-customerservice@lairdtech.com

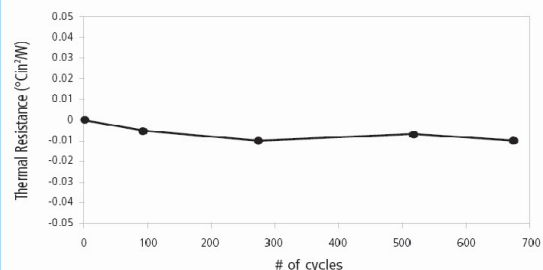
[www.lairdtech.com/thermal](http://www.lairdtech.com/thermal)

# Tgrease™ 2500 Series Thermal Grease

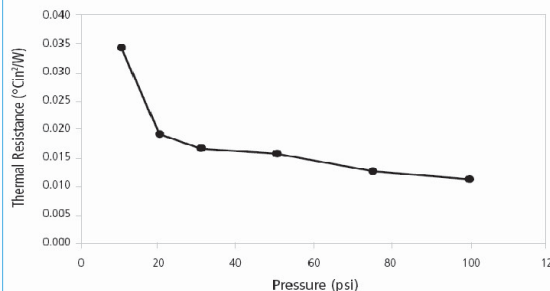
**Tgrease 2500 Reliability**  
Thermal Bake @ 125°C



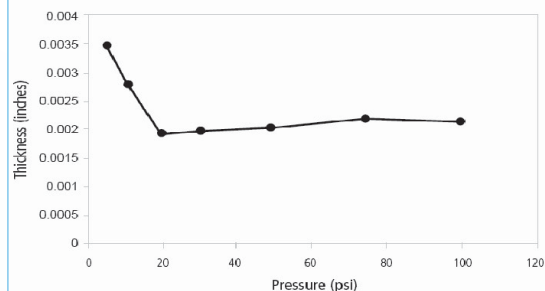
**Tgrease 2500 Reliability**  
Thermal Cycle -55°C to 125°C



**Tgrease 2500 Average**  
Thermal Resistance vs. Pressure



**Tgrease 2500 Bondline Average**  
Thickness vs. Pressure



THR-DS-Tgrease-1500 0710

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