



## 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<br>Brookfield Viscometer | 2,500,000cP<br>TF spindle at 2rpm<br>(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<br>@ 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

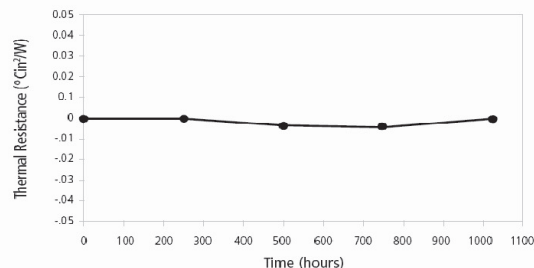
Asia: +86.755.2714.1166

CLV-customerservice@lairdtech.com

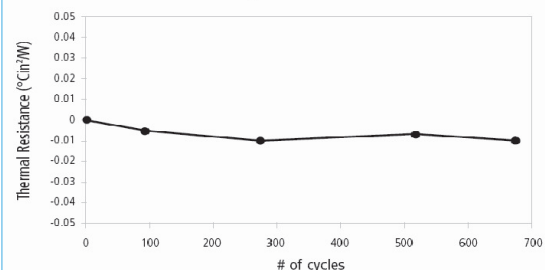
[www.lairdtech.com/thermal](http://www.lairdtech.com/thermal)

# Tgrease™ 2500 Series Thermal Grease

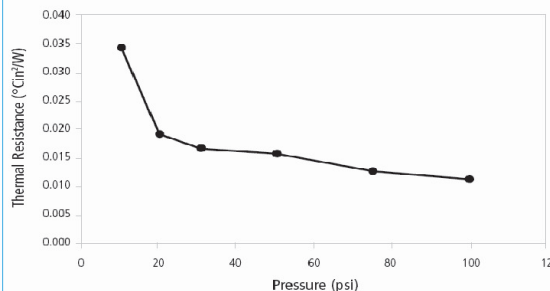
**T-grease 2500 Reliability**  
Thermal Bake @ 125°C



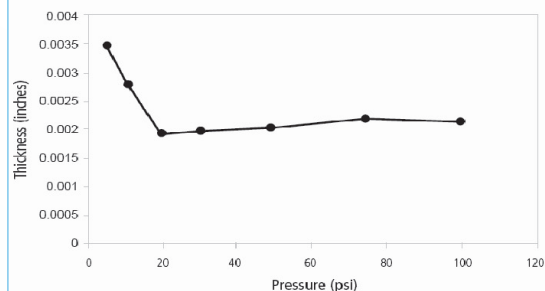
**T-grease 2500 Reliability**  
Thermal Cycle -55°C to 125°C



**T-grease 2500 Average**  
Thermal Resistance vs. Pressure



**T-grease 2500 Bondline Average**  
Thickness vs. Pressure



THR-DS-Tgrease-1500 0710

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