



## A COST EFFECTIVE, THERMALLY CONDUCTIVE GREASE

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

Americas: +1.847 839.6907  
IAS-AmericasEastSales@lairdtech.com

Europe: +44.(0).1628.858941  
IAS-EUSales@lairdtech.com

Asia: +86.21.5855.0827.127  
IAS-AsiaSales@lairdtech.com

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

THR-DS-Tgrease 1500\_012317

All information furnished by Laird and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird materials rests with the end user, since Laird and its agents cannot be aware of all potential uses. Laird makes no warranties as to the fitness, merchantability or suitability of any Laird materials or products for any specific or general uses. Laird, Laird Technologies, Inc. or any of its affiliates or agents shall not be liable for incidental or consequential damages of any kind. All Laird products are sold pursuant to the Laird Technologies' Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2015 Laird Technologies, Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Logo, and other marks are trademarks or registered trademarks of Laird Technologies, Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird or any third party intellectual property rights.