



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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ENVIRONMENTALLY FRIENDLY THERMALLY CONDUCTIVE GREASE

Tgrease™ 880 is a silicone based, high performance thermal grease designed to meet the thermal, reliability and price requirements of high end CPUs, GPUs and custom ASICs chips.

With superior wetting properties to comparable grease, Tgrease™ 880 fills the microscopic irregularities of the components it contacts, resulting in very low thermal resistance.

Tgrease™ 880 is stable and does not dry out, settle or harden. A full reliability study can be provided upon request. Tgrease™ 880 meets all environmental requirements including RoHS.

Tgrease™ 880 is supplied in half kilogram, one kilogram and three kilogram containers.

APPLICATIONS

- CPUs (Notebooks, Desktops, Servers)
- Custom ASICs Chips
- GPUs (Graphics Chips)
- Northbridge Chipsets
- Integrated Gate Bipolar Transistors (IGBT)

| PROPERTIES | |
|------------------------------------|--|
| Color | Grey |
| Density | 2.73g/cc |
| Viscosity Brookfield Viscometer | <1,500,000cps TF spindle at 2rpm (helipath) and 23°C |
| Temperature Range | -40 – 150°C (-40 – 302°F) |
| UL Flammability Rating | 94 V0. File E180840 |
| Thermal Conductivity | 3.1 W/mK |
| Thermal Resistance | |
| @ 10 psi | 0.014°C-in ² /W (0.090°C-cm ² /W) |
| @ 20 Psi | 0.010°C-in ² /W (0.065°C-cm ² /W) |
| @ 50 psi | 0.009°C-in ² /W (0.058°C-cm ² /W) |
| Volume Resistivity (ASTM D257) | 9 x 10 ¹³ Ohm-cm |

global solutions: local support.™

Americas: +1.800.843.4556

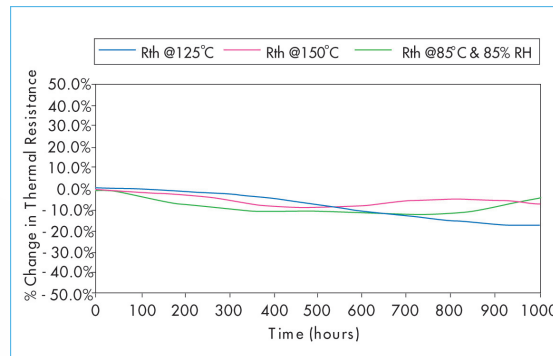
Europe: +49.8031.2460.0

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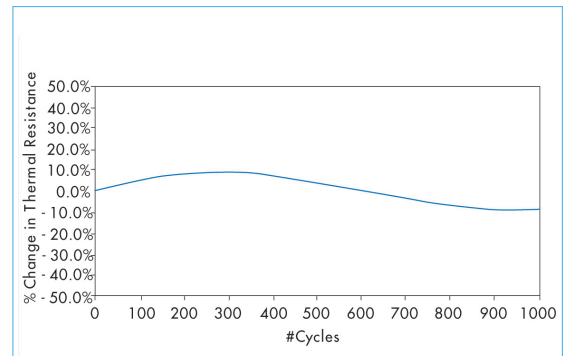
CLV-customerservice@lairdtech.com

www.lairdtech.com/thermal

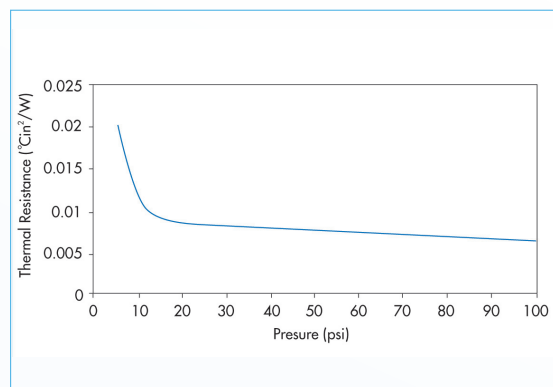
THERMAL BAKE



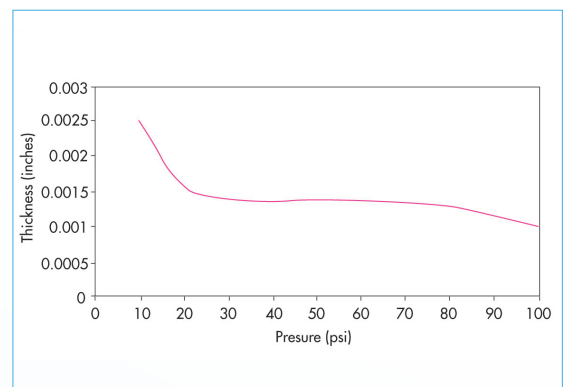
THERMAL CYCLING



THERMAL RESISTANCE VS. PRESSURE



THICKNESS VS. PRESSURE



For a full Tgrease™ 880 Reliability Report Reference A15296-00.

OPTIONS

Tgrease™ 880 is available with a solvent option to aid in screen printing and other application methods.

Data for design engineer guidance only. Observed performance varies in application. Engineers are reminded to test the material in application.

THR-DS-TGREASE-880 0710

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