



## 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 <sup>2</sup> /W (0.090°C-cm <sup>2</sup> /W)
@ 20 Psi	0.010°C-in <sup>2</sup> /W (0.065°C-cm <sup>2</sup> /W)
@ 50 psi	0.009°C-in <sup>2</sup> /W (0.058°C-cm <sup>2</sup> /W)
Volume Resistivity (ASTM D257)	9 x 10 <sup>13</sup> Ohm-cm

## global solutions: local support.™

Americas: +1.800.843.4556

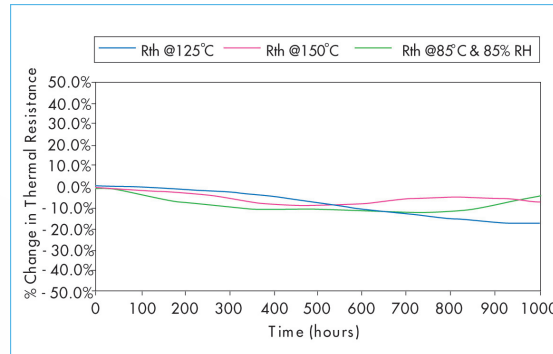
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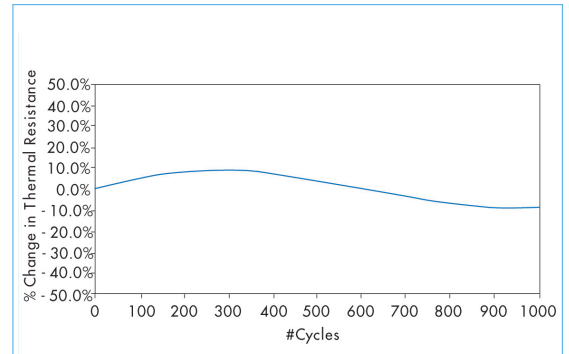
CLV-customerservice@lairdtech.com

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

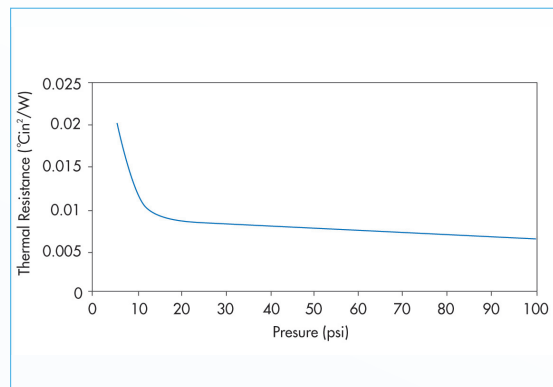
## THERMAL BAKE



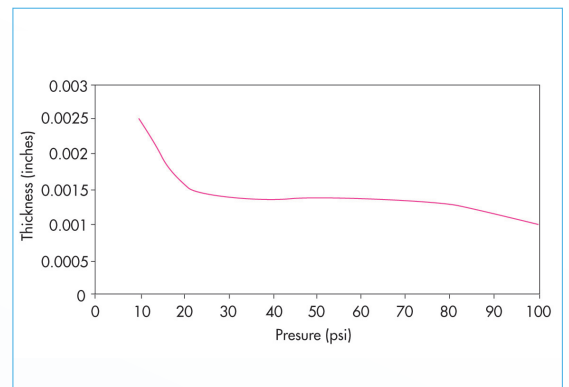
## THERMAL CYCLING



## 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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