



### ENVIRONMENTALLY FRIENDLY THERMALLY CONDUCTIVE GREASE

Tgrease™ 880S is a silicone-based thermal grease for use in high performance CPUs and GPUs. With a high thermal conductivity of 2.8 W/mK (without solvent), Tgrease™ 880S thoroughly wets out thermal surfaces to create very low thermal resistance. Tgrease™ 880S is RoHS compliant.

Tgrease™ 880S is a slightly adjusted formulation of Tgrease™ 880. The slight adjustment temporarily lowers the viscosity to make mixing and application easier without changing the in-use formulation or performance of the grease.

Tgrease™ 880S is supplied in one-half kilogram and one kilogram containers.

### APPLICATIONS

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

| TYPICAL PROPERTIES                       |   | TEST METHOD           |
|--|---|-----------------------|
| Color                                    | Grey  | Visual                |
| Density                                  | 2.7 g/cc  | He Pycnometer         |
| Viscosity @ 23°C (cP)                    | 100,000   | –                     |
| Volatile Content                         | less than 1.5%  | –                     |
| Thermal Conductivity                     | 2.8 W/mK (without solvent)                              | Hot Disk              |
| Thermal Resistance<br>50 psi (344.7 kPa) | 0.01 °C-10 <sup>2</sup> /W (0.06 °C-cm <sup>2</sup> /W) | ASTM D5470 (modified) |

### OPTIONS

Tgrease 880S 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.

### global solutions: local support™

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