

Item # Tgrease 880/, Tgrease™ 880

IMAGE
NOT
AVAILABLE

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.

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

Tgrease™ 880 provides outstanding reliability. It is stable, does not dry out, settle, harden or pump out. In addition, Tgrease™ 880 meets all environmental standards including RoHS.

Tgrease™ 880 is easy to use, affording an enhanced viscosity for screen printing and stenciling.

Tgrease™ 880 is supplied in half kg, one kg and three kg containers. Syringes are available upon request

SPECIFICATIONS

Color	Grey
Test Method - Color	Visual
Density	2.73 g/cc
Viscosity	<1500000 cps
Test Method - Viscosity	Brookfield Viscometer
Temperature Range	-40 to 150 °C -40 to 302 °F
UL Flammability Rating	94 V0 pending
Thermal Conductivity	3.10 W/m-K
Test Method - Thermal Conductivity	ASTM D5470 (modified)
Thermal Resistance at 10 psi	0.014 °C-in ² /W 0.099 °C-cm ² /W
Thermal Resistance at 20 psi	0.010 °C-in ² /W 0.065 °C-cm ² /W
Thermal Resistance at 50 psi	0.009 °C-in ² /W 0.058 °C-cm ² /W
Test Method - Thermal Resistance	ASTM D5470 (modified)

Volume Resistivity	9 x 10 ¹³ ohm-cm
Test Method - Volume Resistivity	ASTM D257
Dielectric Constant at 1 kHz	14.1
Dielectric Constant at 1 MHz	13.90
Test Method - Dielectric Constant	ASTM D257
TML (Total Mass Lost)	0.0038
CVCM (Collected Volatile Condensable Material)	0.16% (clear)
WVR (Water Vapor Recovered)	0.01% (detection capability is only 0.01%)