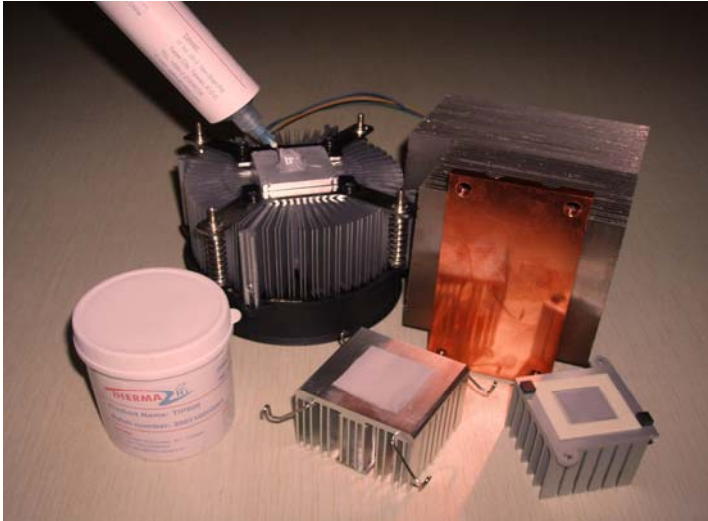


THERMALLY CONDUCTIVE GREASE



TIG780-10 thermally conductive silicone based compound is a one component paste like interface material, never dry ;it is designed for general applications, to conduct heat from heat generating devices to heat sinks or chassis. The compound is heavily filled with blended thermally conductive metal oxide but remain non-electrically conductive property.

TIG780-10 has low bleeding, good wetting and slow flow properties to penetrate into air pockets after clamping. It is very stable in high temperature, no dry out and separation, up to 200°C . It can be applied by screen printing, dispensing.

For Lowest Thermal Resistance :

- 0.15°C-in² /W thermal resistance
- Naturally tacky at room temperature, no adhesive required
- No heat sink preheating required

Applications Include:

- High Frequency Microprocessors
- Notebook and Desktop PCs
- Computer Servers
- Memory Modules
- Cache Chips
- IGBTs

Typical Properties of TIG780-10

Product Name	TIG780-10	Test Method
Color	White	
Resin	1comp.Silicone	
Filler	Metal Oxide	
Viscosity,25°C	1000K cps	Brookfield RVF,#7
Specific Gravity g/cm3	2.2	
Solvent Content,%	100% Solid	
Temperature Range °F/°C	(-49 to 392°F) (-45 to 200°C)	
Thermal Conductivity W/mK	1.0	ASTM D5470
Thermal Impedance (°C-in ² /W) @50psi	0.15	ASTM D5470
Bleed,%	0.01	200°C@24hrs
Evaporation,%	0.23	200°C@24hrs
Thermal Cycle,%	Thermal Impedance No Degradation	25°C/30~80°C /30min 100 cycles

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