

THERMALLY CONDUCTIVE GREASE



For Lowest Thermal Resistance :

- 0.009°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

TIG780-38 is a silicone-based thermal grease for use in high performance CPU's and GPU's. With a high thermal conductivity of 3.8 W/mK, TIG780-38 thoroughly wets out thermal surfaces to create very low thermal resistance. TIG780-38 unique formula won't harden, dry out, settle or oxidize. TIG780-38 is ideal for situations where automatic dispensing and screen-printing are required. TIG780-38 is non-toxic and environmentally safe.

TIG780-38 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.

Typical Properties of TIG780-38

Product Name	TIG780-38	Test Method
Color	Gray	
Resin	1comp.Silicone	
Viscosity,25°C	2500K cps	Brookfield RVF,#7
Specific Gravity g/cm3	2.5	
Solvent Content,%	100% Solid	
Temperature Range °F/°C	(-49 to 392°F) (-45 to 200°C)	
Thermal Conductivity W/mK	3.8	ASTM D5470
Thermal Impedance (°C-in ² /W) @50psi	0.009	ASTM D5470
Bleed,%	0.02	200°C@24hrs
Evaporation,%	0.18	200°C@24hrs
Thermal Cycle,%	Thermal Impedance No Degradation	25°C/30~80°C /30min 100 cycles

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