

THERMALLY CONDUCTIVE GREASE



For Lowest Thermal Resistance :

- 0.007°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

TIG780-50 is a silicone-based thermal grease for use in high performance CPU's and GPU's. With a high thermal conductivity of 5.0 W/mK, TIG780-50 thoroughly wets out thermal surfaces to create very low thermal resistance. TIG780-50 unique formula won't harden, dry out, settle or oxidize. TIG780-50 is ideal for situations where automatic dispensing and screen-printing are required. TIG780-50 is non-toxic and environmentally safe.

TIG780-50 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 TIG780-50

Product Name	TIG780-50	Test Method
Color	Gray	
Resin	1comp.Silicone	
Viscosity,25°C	3200K cps	Brookfield RVF,#7
Specific Gravity g/cm3	2.8	
Solvent Content,%	100% Solid	
Temperature Range °F/°C	(-49 to 392°F) (-45 to 200°C)	
Thermal Conductivity W/mK	5.0	ASTM D5470
Thermal Impedance (°C-in ² /W) @50psi	0.007	ASTM D5470
Bleed,%	0.02	200°C@24hrs
Evaporation,%	0.18	200°C@24hrs
Thermal Cycle,%	Thermal Impedance No Degradation	25°C ~ 125°C 100 cycles

Canada:

3709 Pender St Burnaby B.C. Canada
TEL: +001-804-2998559
E-mail: sales@thermazig.com

America:

113 Barksdale Professional Center
in the City of Newark, County of New Castle,
Zip code 19711, Delaware ,USA

China:

Zhanghe Industrial District, Hengli Town,
Dongguan City, Guangdong Province, China
TEL: +86-769-83791280
E-mail: sales_dg@thermazig.com

Taiwan:

1F No. 33-3, Nan-Shen Rd, Taipei City,
Taiwan, R.O.C.
TEL: +886-2-27838739
E-mail: sales_tw@thermazig.com

The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein.