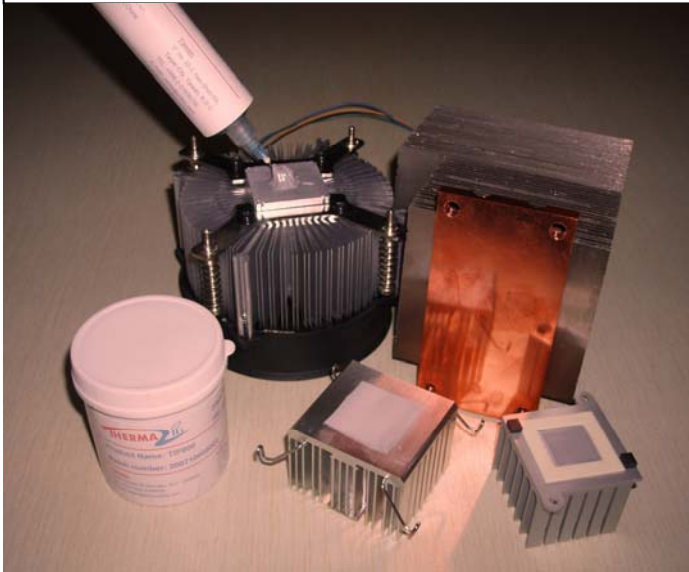


Phase Change Thermal Grease



For Lowest Thermal Resistance :

- 0.01°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

TIC800 is high performance phase change thermal grease. At 38°C, TIC800 begins to soften and flow, filling the microscopic irregularities of both the thermal solution and the integrated circuit package surface, thereby reducing thermal resistance. TIC800 is a flexible solid at room temperature and freestanding without reinforcing components that reduce thermal performance.

TIC800 shows no thermal performance degradation after 1,000 hours @ 130°C, or after 500 cycles, from -25°C to 125°C. The material softens and does not fully change state resulting in minimal migration (pump out) at operating temperatures.

Product Name	TIC800	Test Method
Color	Gray	Visual
Viscosity.25°C	2,000K cps	Brookfield RVF,#7
Density	2.45g/cc	Helium Pycnometer
Temperature range	-25°C~125°C	
Phase Change Softening Temperature	50°C~60°C	
"Burn In" Temperature	70°C for 5 minutes	
Thermal Conductivity	4.2 W/mK	ASTM D5470 (modified)
Thermal Impedance @ 50 psi(345 KPa)	0.01°C-in ² /W (0.065°C-cm ² /W)	ASTM D5470 (modified)

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