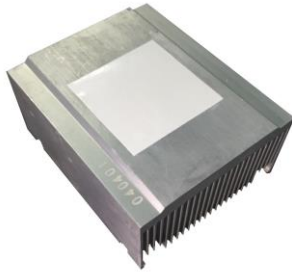


FOR EXCEPTIONALLY LOW THERMAL RESISTANCE

Tpcm[™] 750 Series is a high-performance thermal phase change material designed to meet the thermal reliability and price requirements of high-end thermal applications. The series is inherently tacky, flexible and extremely easy-to-use. The Tpcm[™] 750 series is available in 0.2 mm (Tpcm 758) and 0.25 mm (Tpcm 7510) thicknesses.

At temperatures above its transition temperature of 50°C, the Tpcm[™] 750 series begins to soften and flow, filling the microscopic irregularities of the components it comes into contact. The result is minimal thermal contact resistance at the interfaces.

The Tpcm[™] 750 Series can be supplied as cut parts with tabbed liners for easy application.



FEATURES AND BENEFITS

- Silicone-free
- Exceptionally, low thermal resistance
- High thermal reliability, minimal pump out
- Naturally tacky, requires no adhesive
- Easy rework
- Cost Effective

MARKETS / APPLICATIONS

- Microprocessors
- Chipsets
- Graphic Processing Chips
- Custom ASICs
- Notebooks
- Desktops
- Servers
- Memory Modules

	TYPICAL PROPERTIES	TEST METHOD
Color	Gray	Visual
Thickness (mm)	0.20 ± 0.025 0.25 ± 0.025	
Density (g/cc)	2.56	Helium Pycnometer
Thermal Conductivity (W/mK)	4.7	Hot Disk Thermal Constants Analyzer
Thermal Resistance		
70°C, 69 kPa (70°C, 10 psi)	C-cm ² /W C-in ² /W	0.206 (0.032) ASTM D5470
Hardness (Shore 00)	78 3 sec @ 21°C	ASTM D2240
Softening Temperature (°C)	45-60	
Operating Temperature Range (°C)	-40 to 125	
UL Rating	V0	

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THR-DS-Tpcm750_113015

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