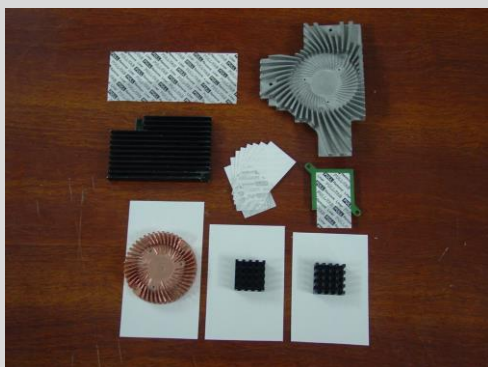


Features and Benefit

- 2.5W/m-K
- Naturally tacky
- Electrically Isolating
- RoHS compliant
- Halogen-free



OC-800 is a thermally conductive phase change material having a softening temperature of 50-65°C. The liquid phase of the material can fill interface irregularities with much higher efficiency than traditional gap filler. On the other hand, it is a solid at room temperature and can be handled easily during installation.

OC-800 is RoHS compliant and halogen-free. It is naturally tacky and additional adhesive is generally not required.

Typical Application

- Automotive control units
- Power supply
- Audio and video component
- General high pressure interface
- Micro processor

Color

- White – standard color
- Please contact us for other color requirements

Standard Configurations

- Thickness: 0.005", 0.01", 0.015", 0.02"
- Sheet size: 12" * 16"
- Consult our factory for alternative thicknesses
- OpTIM™ OC-800 may be die cut into individual sizes

Typical Properties/Data

Properties	OC-805	OC-810	OC-815	OC-820	Test Method
Construction & Composition	Phase Change Materials				—
Color	White				Visual
Thickness Range (inch)/(mm)	0.005"±0.002" (0.13±0.05)	0.01"±0.002" (0.25±0.05)	0.015"±0.002" (0.38±0.05)	0.02"±0.002" (0.50±0.05)	—
Specific Gravity (g.cm ⁻³)	1.62				—
Shelf life	12 months				—
Phase change temperature (°C)	50°C				DSC Method
Operation Temperature (°C)	-40°C~130°C				—
Thermal Conductivity (W.m.K ⁻¹)	2.5				ASTM D5470 (Modified)
Thermal Impedance @ 50psi (°C.in ² /W)	0.088	0.104	0.115	0.123	ASTM D5470 (Modified)
"Burn-in" temperature (°C)	75°C for 5 minutes				—

Carrier Treatment	Criteria	Carrier Treatment	Criteria
Fiber Glass (FG)	Not Recommended	Aluminum Foil (AL)	Not Recommended
Rubberized Cloth (RC)	Not Recommended	Kapton (PI)	Optional to all thickness
Pressure Sensitive Adhesive (PSA)	Not Recommended	Talc treatment (DAT)	Not Recommended
Detachable Adhesive (DA)	Not Recommended		

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