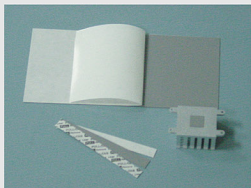


Features and Benefit

- 4.0W/m-K
- Naturally tacky
- RoHS compliant
- Halogen-free



OC-7300 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-7300 is RoHS compliant and conforms to halogen-free standard. 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

- Grey
- Please contact us for other colour requirements

Standard Configurations

- Thickness: 0.005" - 0.200" (0.13mm-0.50mm)
- Sheet size: 12" X 16"
- Please consult our factory for alternative thicknesses
- OpTIM™ OC-7300 may be die cut into individual sizes

Optional Configuration

- Adhesive coatings are optional
- Aluminium foil/laminate is optional

Typical Properties

	OC-7305	OC-7310	OC-7315	OC-7320	Test Method
Construction & Composition	Phase change materials	Phase change materials	Phase change materials	Phase change materials	—
Colour	Grey	Grey	Grey	Grey	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)	2.00	2.00	2.00	2.00	—
Shelf life	1 Year	1 Year	1 Year	1 Year	—
Phase change Temperature range (°C)	50°C to 65°C	50°C to 65°C	50°C to 65°C	50°C to 65°C	—
Temperature Range (°C)	-40°C~130°C	-40°C~130°C	-40°C~130°C	-40°C~130°C	—
Thermal Conductivity (W.m.K ⁻¹)	4.0	4.0	4.0	4.0	ASTM D5470 (Modified)
Thermal Impedance @ 50psi (°C.in ² /W)	0.081	0.082	0.085	0.087	ASTM D5470 (Modified)
"Burn-in" temperature (°C)	75°C for 5 minutes	75°C for 5 minutes	75°C for 5 minutes	75°C for 5 minutes	—

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