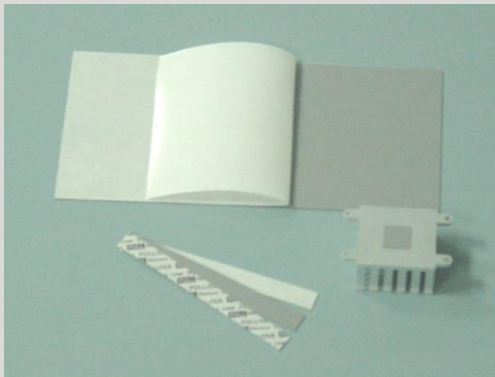


Features and Benefit

- 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 color requirements

Standard Configurations

- Thickness: 0.005" - 0.02" (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

Typical Properties

	OC-7305	OC-7310	OC-7315	OC-7320	Test Method
Construction & Composition	Phase Change Materials				—
Color	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				—
Shelf life	12 Months				—
Phase change Temperature (°C)	55°C				—
Temperature Range (°C)	-40°C~130°C				—
Thermal Conductivity (W.m.K ⁻¹)	4.0				ASTM D5470 (Modified)
Thermal Impedance @ 50psi (°C.in ² /W)	0.081	0.082	0.085	0.087	ASTM D5470 (Modified)

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		

SEM (North America) Inc.

Tel: +1 585-643-2000
 Fax: +1 585-427-7216
 Address: 1600 Lexington Ave., Suite 236A
 Rochester, NY 14606, USA

SEM Belgium bvba

+32 59 560 270
 +32 59 560 271
 Slijpesteenweg 28,
 8432 Middelkerke (Leffinge), Belgium

SEM (Far East) Ltd.

+852 2686 9872
 +852 2686 9728
 Unit 3, 3/F, Blk A, New Trade Plaza,
 No. 6 On Ping St., Shatin, N.T., Hong Kong.

SEM (Dongguan) Ltd.

+86-769-8356 5686
 +86-769-8334 2028
 No.8 Qiaoxin Rd., Qiaotou Dongguan,
 Guangdong, China, 523525.

Specifications and appearances may change without notice. All statements, technical information and recommendations herein are based on tests that we believed to be reliable, but the accuracy and completeness are not guaranteed. Before using, user should determine the suitability of the product for its intended use, and the user assumes all risks and liabilities whatsoever in connection therewith. Neither the seller nor the manufacturer shall be liable for any loss or damage, direct, incidental or consequential, including loss of profits or revenues arising from the use or inability to use the product. Any statements or recommendations shall have no effect unless contained in an agreement signed by authorized personnel of the seller and manufacturer.