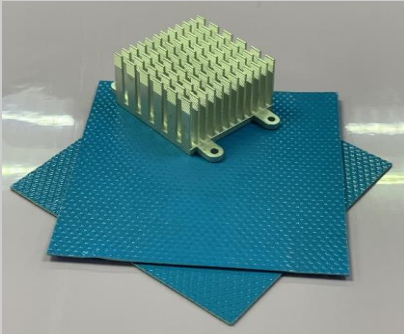


Features and Benefits

- Superior thermal performance
- 6.0W/m-K thermal conductivity
- Electrically isolating
- RoHS compliant
- Halogen-free



Typical Applications

- Notebook Computers
- Handheld Portable Electronics
- Micro Heat Pipe assemblies
- Micro Processors, Memory Chips and Graphic Processors
- Motor Control
- Wireless Communication Hardware

Optional Configurations

- Can be die-cut into specific dimensions

OP-8500 Spec 13 offers good thermal performance and exceptional conformability. This material conforms to surface irregularities under low application pressures. It is electrically non-conductive and naturally tacky. Additional adhesive is generally not required.

The proprietary formulation of OP-8500 Spec 13 is RoHS compliant and halogen-free, providing extra reassurance in applications where hazardous substances are forbidden.

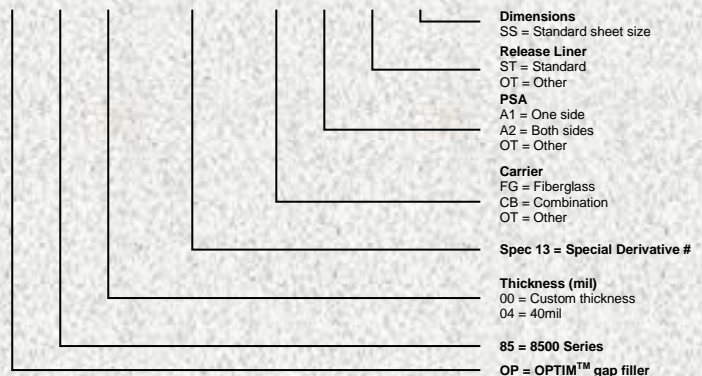
Properties	OP-8500 Spec 13	Test Method
Construction & Composition	Soft silicone elastomer	—
Color	Grey	Visual
Thickness Range /inch (mm)	0.03"~0.40" (0.762~10.16) in 0.01" (0.254) increments	—
Standard Sheet Size	9" x 9"	—
Density /g.cm ⁻³	3.25	ASTM D792
Hardness /Shore 00	55	ASTM D2240
Tensile Strength /Mpa	0.09	ASTM D412
Elongation /%	140	ASTM D412
Total mass loss (170 °C*24h)	0.21%	—
UL Flammability Rating	UL94 V0	—
Temperature Range /°C	-40°C~170°C	—
Thermal Conductivity W.m ⁻¹ .K ⁻¹	6.0	ASTM D5470 (modified)
Breakdown Voltage /(kV/mm)	>10.5	ASTM D149
Volume Resistivity /ohm.cm	3.18 x 10 ¹²	ASTM D257
Shelf Life /Months	24	—

Please contact us for other requirements

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

Product Code and Descriptions

OP 85 XX Spec 13 -XX -XX -XX -XX



SEM (North America) Inc.

Tel: +1 585-643-2000
Fax: +1 585-427-7216
Address: 1555 Jefferson Road,
Rochester, NY 14623

SEM Belgium bv

+32 59 560 270
Schatting 73,
8210 Zedelgem, Belgium

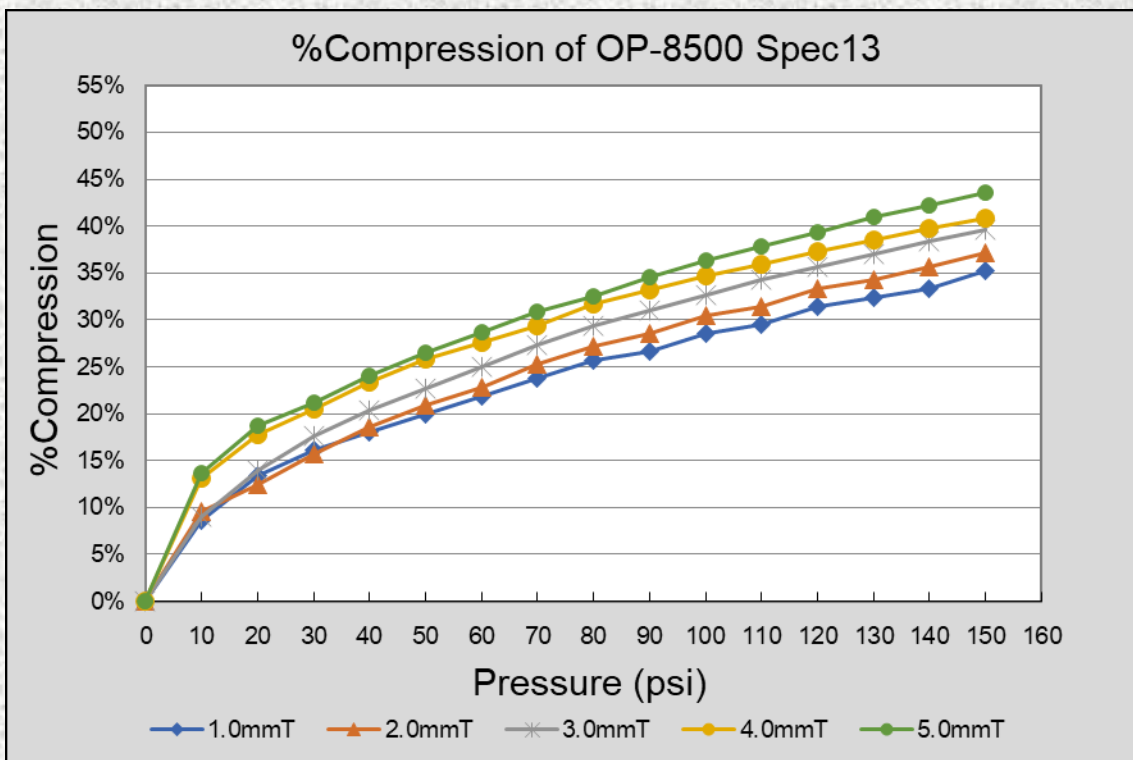
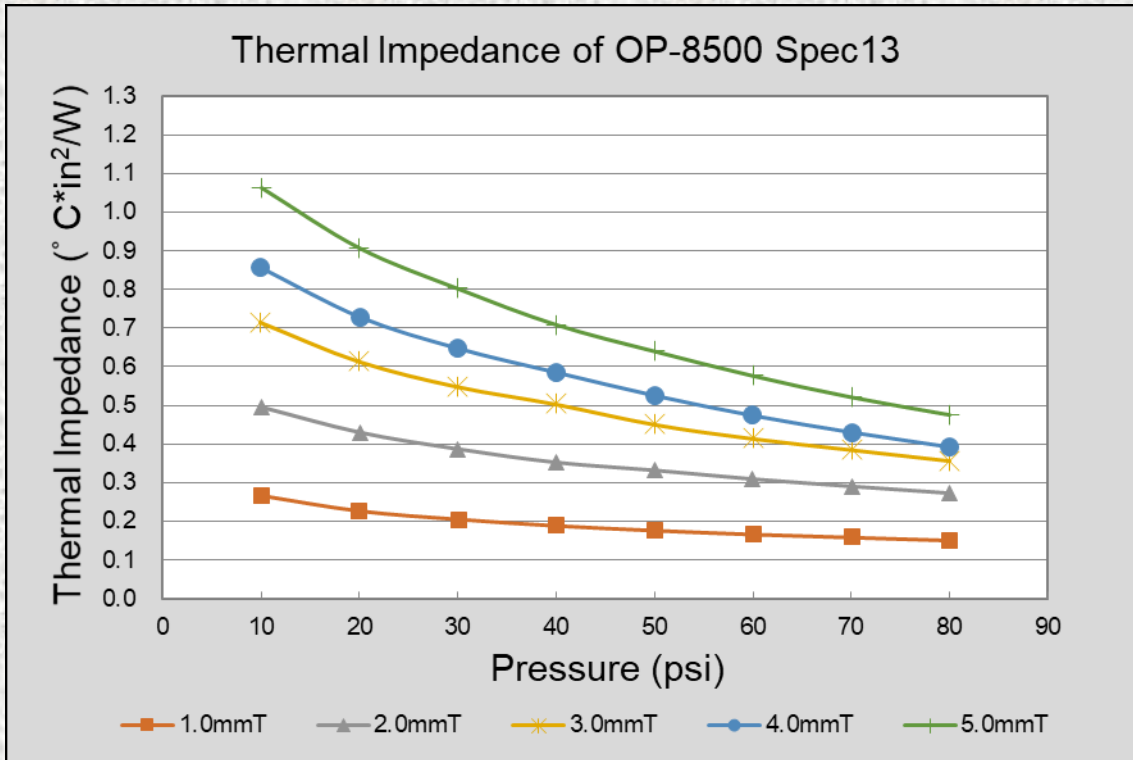
SEM Asia Ltd.

+852 2686 8168
+852 2686 8268
Unit 1, 3/F Block A, New Trade Plaza,
6 On Ping Street, Shatin, N.T., Hong Kong

SEM (Dongguan) Ltd.

+86-769-8334 1628
+86-769-8334 2028
No. 8A Qiaoxin Road, Qiaotou,
Dongguan, Guangdong, China
Postal code 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.



SEM (North America) Inc.

Tel: +1 585-643-2000
Fax: +1 585-427-7216
Address: 1555 Jefferson Road,
Rochester, NY 14623

SEM Belgium bv

+32 59 560 270
Schatting 73,
8210 Zedelgem, Belgium

SEM Asia Ltd.

+852 2686 8168
+852 2686 8268
Unit 1, 3/F Block A, New Trade Plaza,
6 On Ping Street, Shatin, N.T., Hong Kong

SEM (Dongguan) Ltd.

+86-769-8334 1628
+86-769-8334 2028
No. 8A Qiaoxin Road, Qiaotou,
Dongguan, Guangdong, China
Postal code 523525