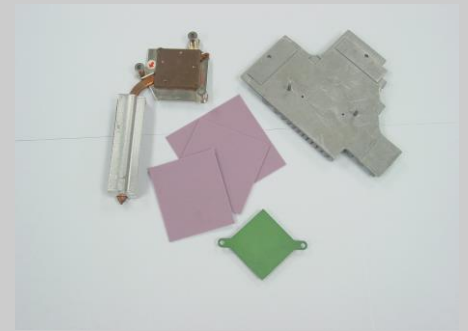


Features and Benefits

- 2.5W/m-K thermal conductivity
- Good compressibility
- RoHS Compliant
- Halogen-free
- Naturally tacky



Typical Applications

- Cooling component to the chassis, frame, or other type of heat spreader
- Mass storage device
- Heat pipe assemblies
- RDRAM memory modules
- Motor control
- Telecommunication hardware

Optional Configurations

- Can be die-cut into specific dimensions

OP-8400 Spec 08 is a performance-improved derivative of the original OP-8400 gap pad. It is exceptionally soft and exhibits good thermal performance. It is compliant to RoHS standard while maintaining its halogen-free status. These special features are benefited from the proprietary composition of metal oxide fillers in its binder matrix.

It is electrically non-conductive and naturally tacky. Additional adhesive is generally not required.

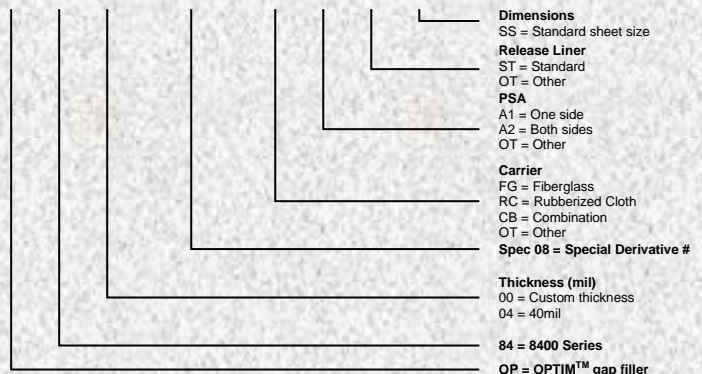
Properties	Typical Data	Test Method
Construction & Composition	Soft silicone elastomer	—
Color	Pink	Visual
Thickness Range /inch (mm)	0.01"~0.40" (0.254~10.16) in 0.01" (0.254) increments	—
Standard Sheet Size	12" x 16"	—
Density /g.cm ⁻³	2.56	—
Hardness /Shore 00	25	ASTM D2240
Tensile Strength /psi	20	ASTM D412
UL Flammability Rating	UL94 V0	—
Temperature Range /°C	-40~200°C	—
Thermal Conductivity W.m ⁻¹ .K ⁻¹	2.5	ASTM D5470 (modified)
Breakdown Voltage /V	>5000 (Thickness ≤ 0.03") >6000 (Thickness = 0.04~0.05") >10000 (Thickness ≥ 0.06")	ASTM D149
Volume Resistivity /ohm.cm	7.5 x 10 ¹³	ASTM D257
Dielectric Constant @ 1MHz	6.2	ASTM D150
Shelf Life /Months	24	—

Please contact us for other special requirements

Carrier Treatment	Criteria
Fiber Glass (FG)	Compulsory for ≤ 0.03" (0.75mm)
Rubberized Cloth (RC)	Not Recommended
Pressure Sensitive Adhesive (PSA)	Not Recommended
Detachable Adhesive (DA)	Optional to ≥ 0.039" (1.0mm)
Aluminum Foil (AL)	Optional to ≥ 0.039" (1.0mm)
Kapton (PI)	Not Recommended
Talc treatment (DAT)	Optional to all thickness

Product Code and Descriptions

OP 84 XX Spec 08 -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.

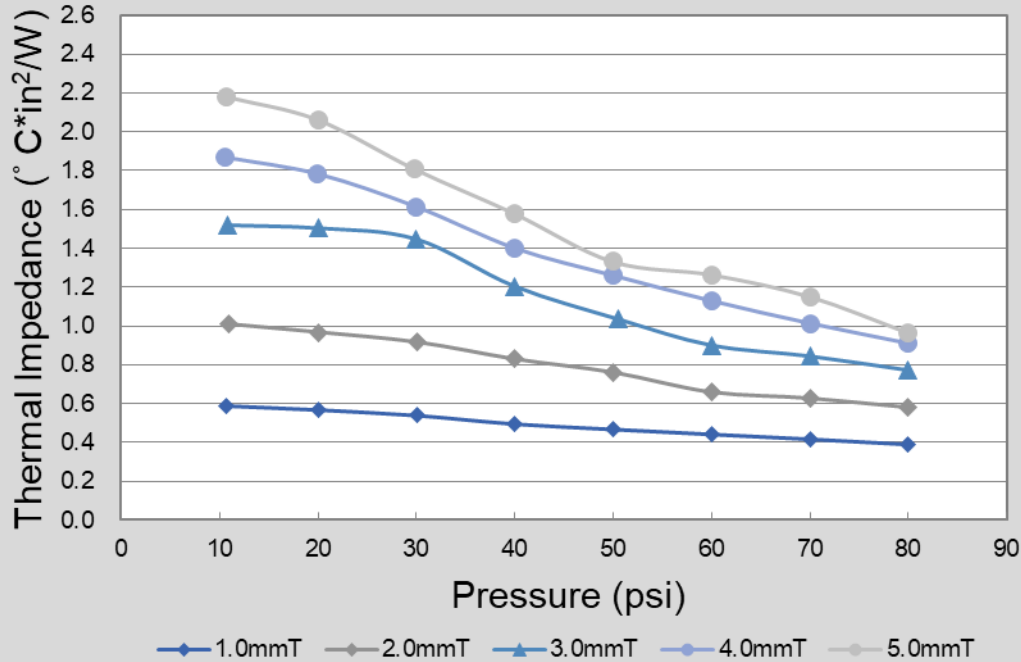
+852 2686 8168
+852 2686 8268
Unit 1, 3/F Block A, New Trade Plaza,
6 On Ping Street, Shatin, N.T., Hong Kong

SEM (Dongguan) Ltd.

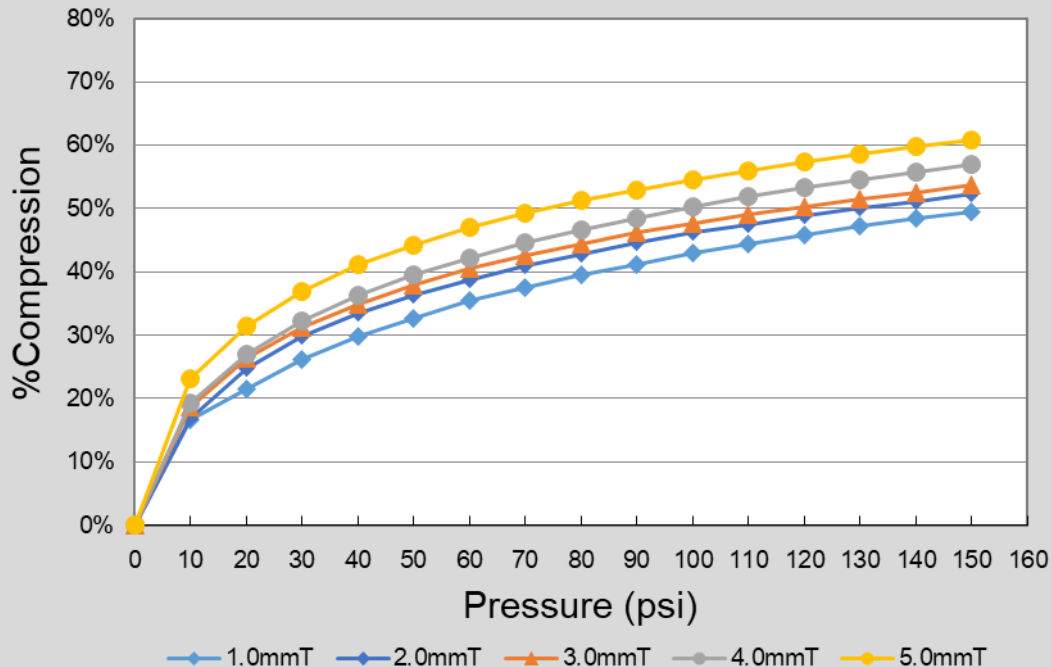
+86-769-8334 1628
+86-769-8334 2028
No. 8A Qiaoxin Road, Qiaotou,
Dongguan, Guangdong, China
Postal code 523525

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.

Thermal Impedance of OP-8400 Spec08



%Compression of OP-8400 Spec08



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.