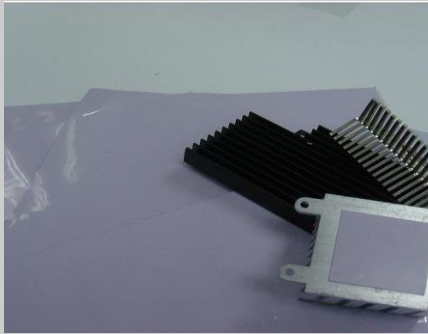


**Features and Benefits**

- Superior thermal performance
- 7.0W/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 09 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.

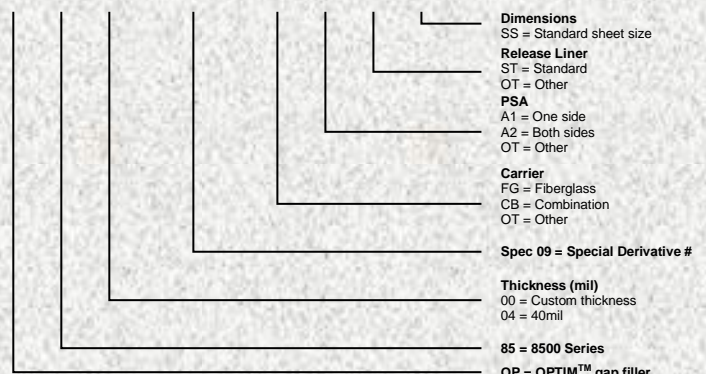
The proprietary formulation of OP-8500 Spec 09 is RoHS compliant and halogen-free, providing extra reassurance in applications where hazardous substances are forbidden.

Properties	OP-8500 Spec 09	Test Method
Construction & Composition	Soft silicone elastomer	—
Color	Violet	Visual
Thickness Range /inch (mm)	0.02"~0.40" (0.508~10.16) in 0.01" (0.254) increments	—
Standard Sheet Size	12" x 16"	—
Density /g.cm <sup>-3</sup>	3.5	—
Hardness /Shore 00	55	ASTM D2240
Tensile Strength /psi	34	ASTM D412
UL Flammability Rating	UL94 V0	—
Temperature Range /°C	-40°C~200°C	—
Thermal Conductivity W.m <sup>-1</sup> .K <sup>-1</sup>	7.0	ASTM D5470 (modified)
Breakdown Voltage /(V/mm)	>5000	ASTM D149
Volume Resistivity /ohm.cm	8.0 x 10 <sup>13</sup>	ASTM D257
Dielectric Constant @ 1MHz	12.8	ASTM D150
Shelf Life /Months	24	—
Please contact us for other 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)	Not Recommended
Aluminum Foil (AL)	Not Recommended
Kapton (PI)	Not Recommended
Talc treatment (DAT)	Not Recommended

**Product Code and Descriptions**

OP 85 XX Spec 09 -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

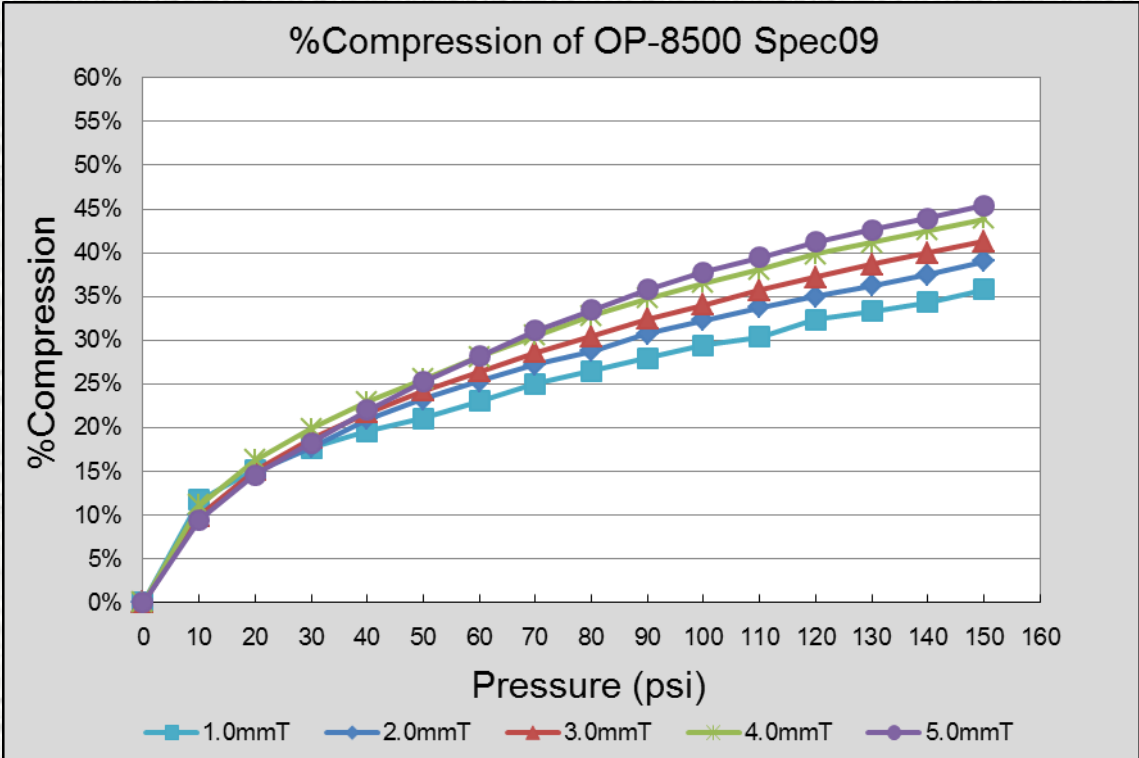
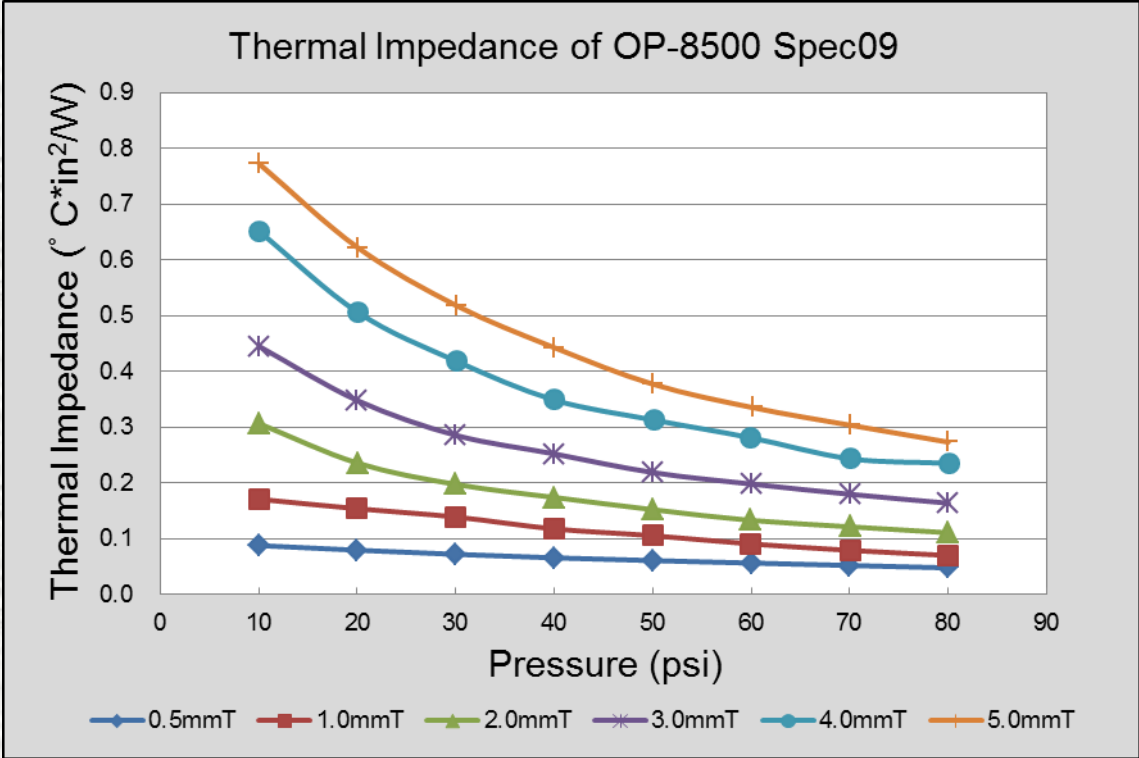
**SEM Asia Ltd.**

+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

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