

**Features and Benefits**

- 1.5W/m-K thermal conductivity
- Exceptional compressibility
- Cost effective
- Naturally tacky
- Electrically isolating
- RoHS compliant
- Halogen-free



**Typical Applications**

- Notebook and desktop computers
- Memory modules
- Heat pipe assemblies
- HDDs and DVDs
- Flat-panel displays
- Telecommunication hardware

**Optional Configurations**

- Can be die-cut into specific dimensions

OP-8300 is a ceramic filled silicone elastomer. It is exceptionally soft and is suitable for applications that require moderate thermal performance. The formulation of OP-8300 is designed to be RoHS compliant and halogen-free, providing extra reassurance in applications where hazardous substances are forbidden.

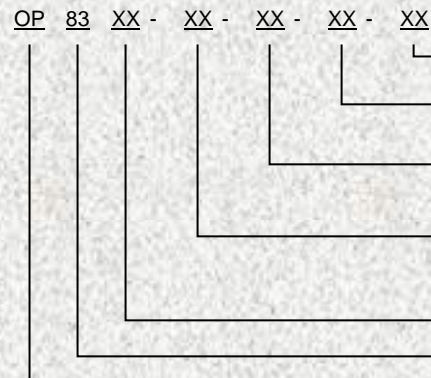
OP-8300 is electrically non-conductive and naturally tacky. Additional adhesive is generally not required.

Properties	OP-8300 Series	Test Method
Construction & Composition	Soft silicone elastomer	—
Color	Blue	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 <sup>-3</sup>	1.8	—
Hardness /Shore 00	25	ASTM D2240
UL Flammability Rating	UL94 V0	E310786
Temperature Range /°C	-40~200°C	—
Thermal Conductivity W.m <sup>-1</sup> .K <sup>-1</sup>	1.5	ASTM D5470 (modified)
Breakdown Voltage /V	>5000	ASTM D149
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)	Optional to all thickness
Pressure Sensitive Adhesive (PSA)	Not Recommended
Detachable Adhesive (DA)	Optional to ≥ 0.039" (1.0mm)
Aluminum Foil (AL)	Not Recommended
Kapton (PI)	Not Recommended
Talc treatment (DAT)	Optional to all thickness

**Product Code and Descriptions**



- Dimensions**  
 SS = Standard sheet size  
 CD = Custom dimensions
- Release Liner**  
 ST = Standard  
 OT = Other
- PSA**  
 A1 = One side  
 A2 = Both sides  
 OT = Other
- Carrier**  
 FG = Fiberglass  
 RC = Rubberized Cloth  
 Carrier  
 CB = Combination
- Thickness (mil)**  
 00 = Custom thickness  
 04 = 40mil
- 83 = 8300 Series**  
**OP = OpTIM™ gap filler**

**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

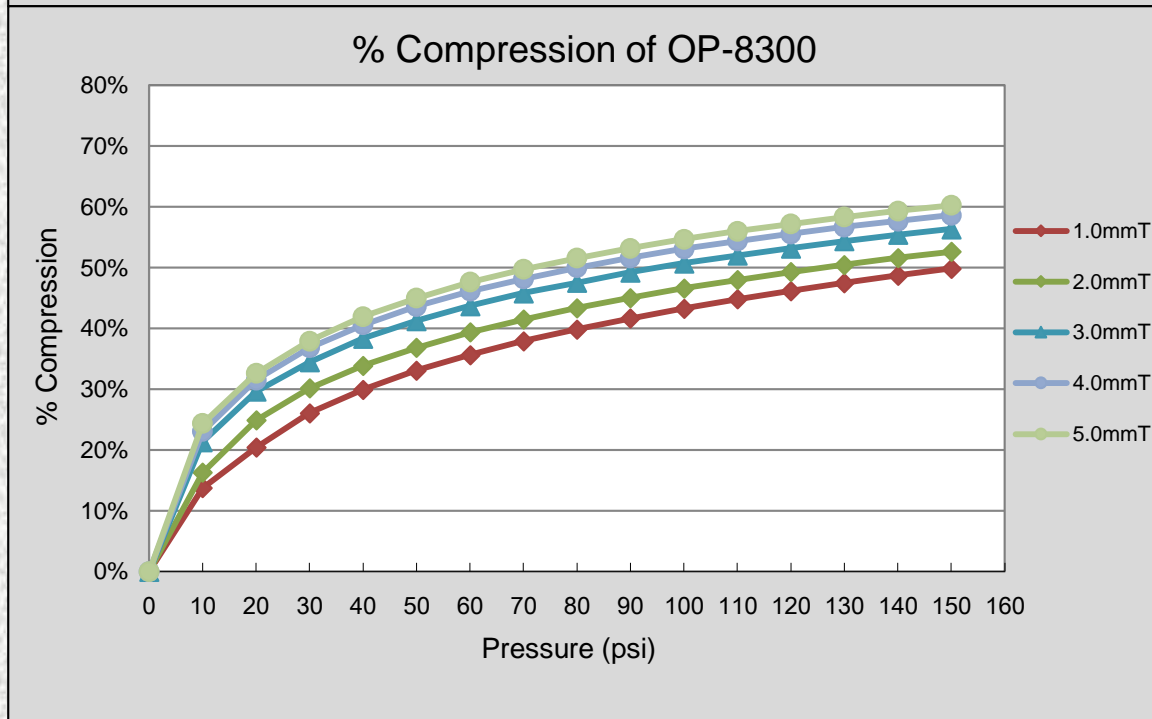
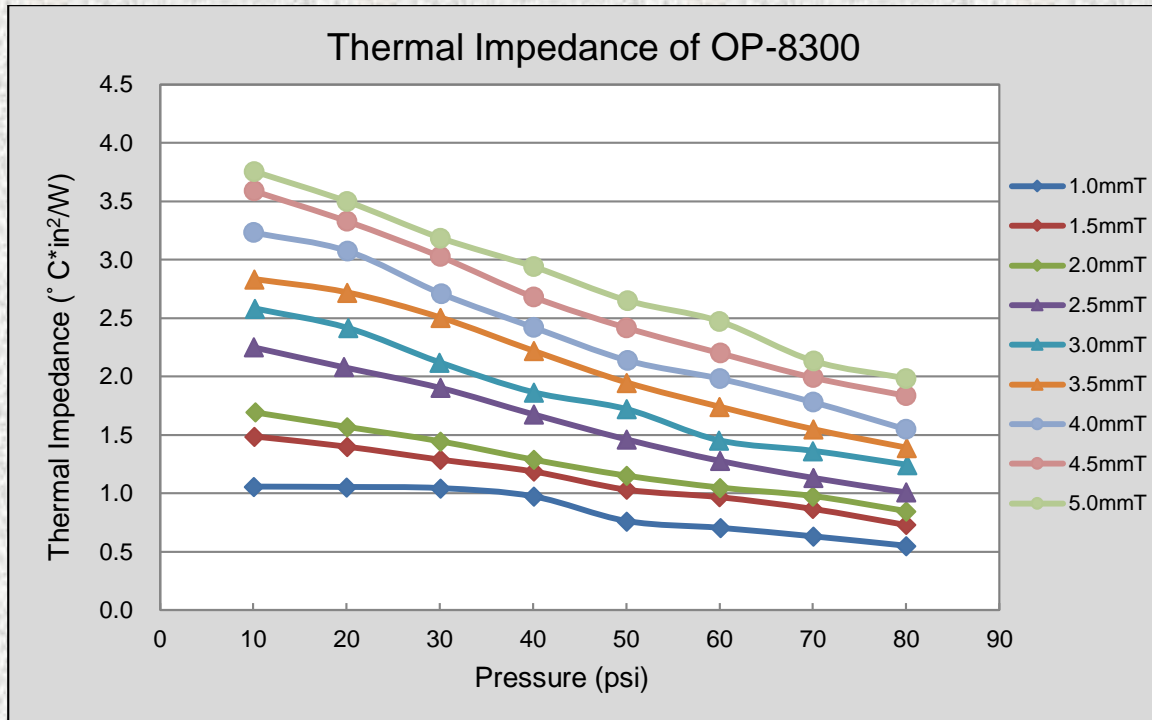
**SEM (Far East) Ltd.**

+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.

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