

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.

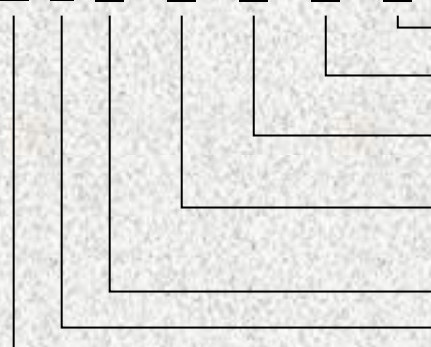
Properties	OP-8300 Series	Test Method
Construction & Composition	Soft silicone elastomer	—
Color	Blue	Visual
Thickness Range /inch (mm)	0.01"~0.40" (0.254~10.16) in 0.01" (0.254) increments	—
Standard Sheet Size	12" x 16"	—
Density /g.cm ⁻³	1.8	—
Hardness /Shore 00	25	ASTM D2240
UL Flammability Rating	UL94 V0	E109346
Temperature Range /°C	-40~200°C	—
Thermal Conductivity W.m ⁻¹ .K ⁻¹	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

OP 83 XX - XX - XX - XX - XX



- 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: 1555 Jefferson Road,
 Rochester, NY 14623

SEM Belgium bv

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

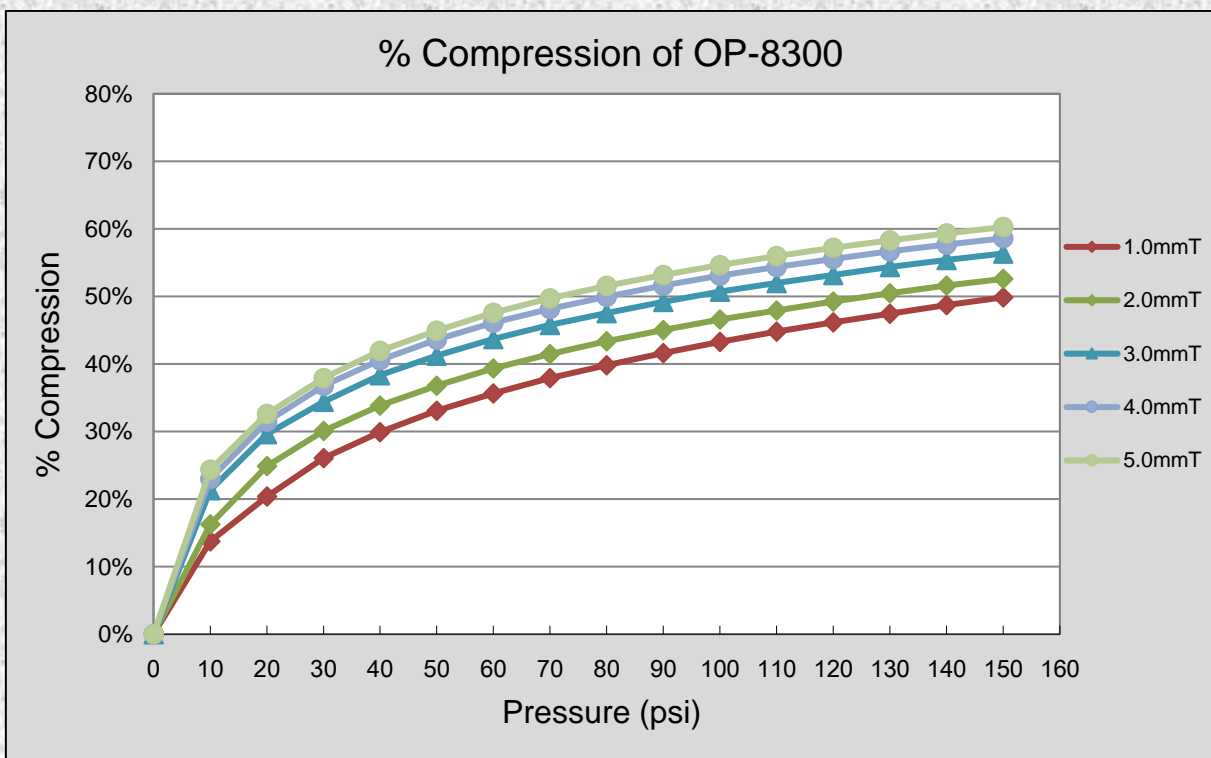
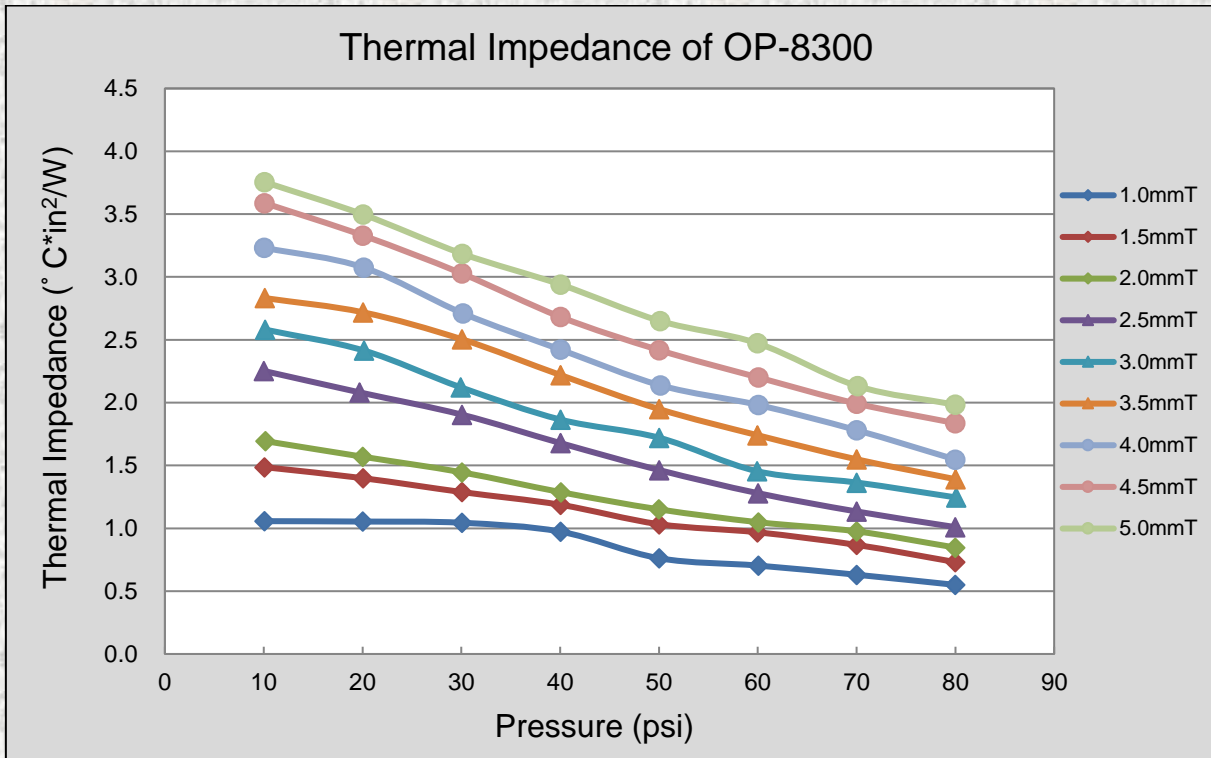
SEM Asia Ltd.

+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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