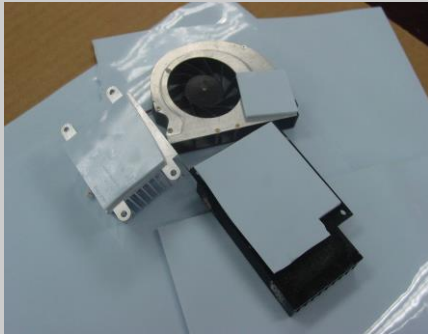


**Features and Benefits**

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



**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 Spec 02 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 Spec02 is designed to be RoHS compliant and halogen-free, providing extra reassurance in applications where hazardous substances are forbidden.

OP 8300 Spec 02 is electrically non-conductive and naturally tacky. Additional adhesive is generally not required.

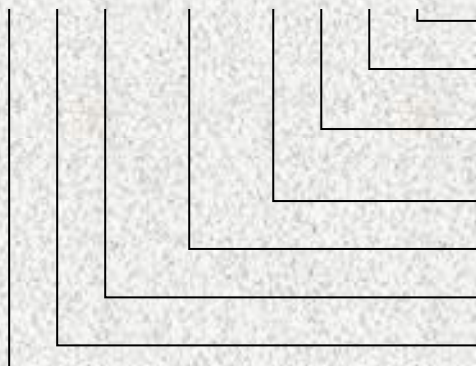
Properties	OP-8300 Spec 02	Test Method
Construction & Composition	Soft silicone elastomer	—
Color	Sky Blue	Visual
Thickness Range /inch (mm)	0.01"~0.40" (0.254~10.16) in 0.01" (0.254) increments	—
Standard Sheet Size	12" x 16"	—
Density /g.cm <sup>-3</sup>	1.8	—
Hardness /Shore 00	20	ASTM D2240
UL Flammability Rating	UL94 V0	—
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 (Thickness ≤ 0.03") >6000 (Thickness = 0.04~0.05") >10000 (Thickness ≥ 0.06")	ASTM D149
Volume Resistivity /ohm.cm	3.2 x 10 <sup>13</sup>	ASTM D257
Dielectric Constant @ 1MHz	5.1	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)	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 Spec 02 -XX -XX -XX -XX



**Dimensions**  
 SS = Standard sheet size  
**Release Liner**  
 ST = Standard  
 OT = Other  
**PSA**  
 A1 = One side  
 A2 = Both sides  
 OT = Other  
**Carrier**  
 FG = Fiberglass  
 AL = Aluminum foil  
 CB = Combination  
 OT = Other  
**Spec 02 = Special Derivative #**  
**Thickness (mil)**  
 00 = Custom thickness  
 04 = 40mil  
**83 = 8300 Series**  
**OP = OPTIM™ gap filler**

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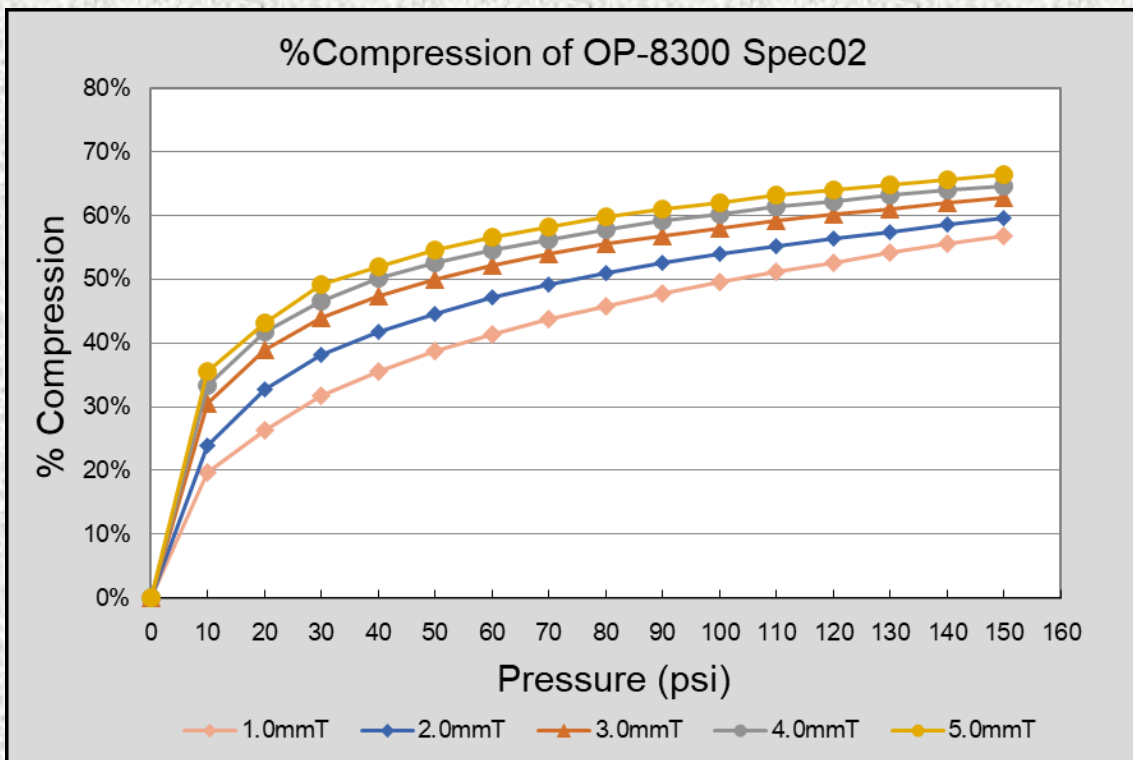
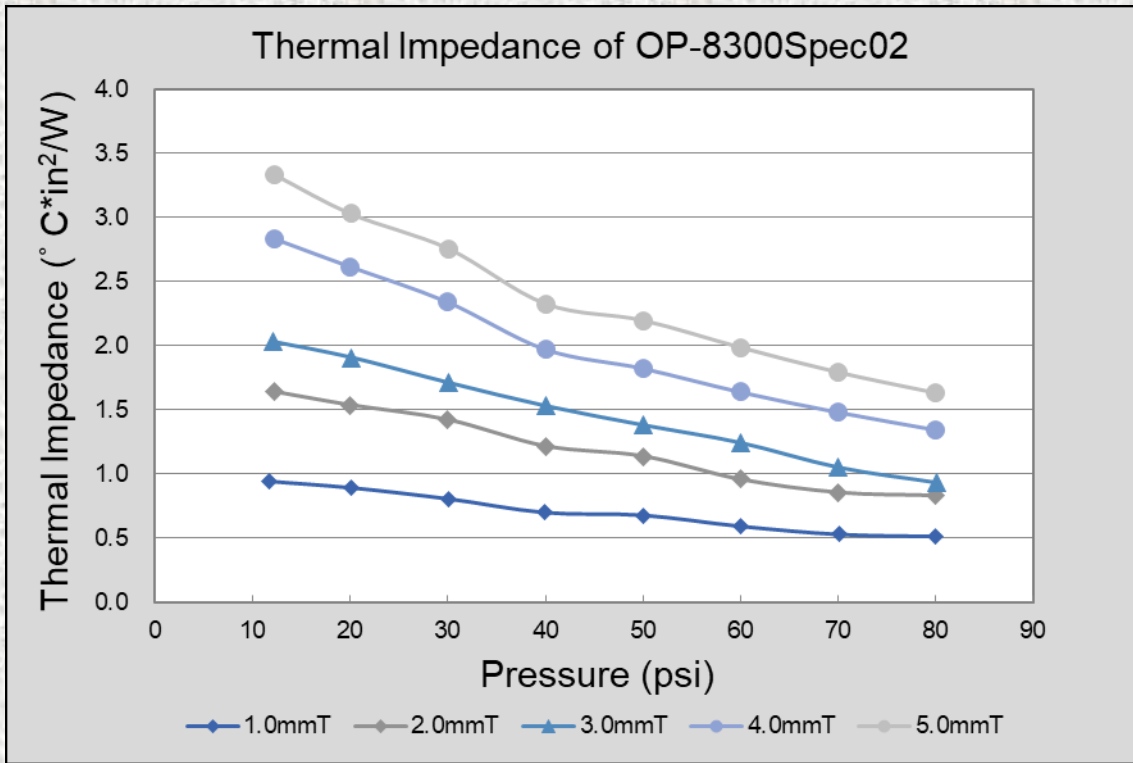
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