

Features and Benefits

- 1.8W/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 03 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 Spec 03 is designed to be RoHS compliant and halogen-free, providing extra reassurance in applications where hazardous substances are forbidden.

OP 8300 Spec 03 is electrically non-conductive and naturally tacky. Additional adhesive is generally not required.

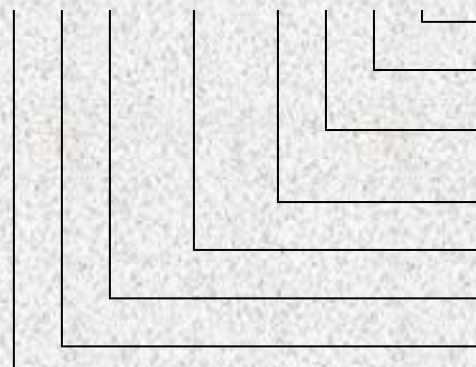
Properties	OP-8300 Spec 03	Test Method
Construction & Composition	Soft silicone elastomer	—
Color	Sky Blue	Visual
Thickness Range /inch (mm)	0.01"~0.40" (0.254~10.16) in 0.01" (0.254) increments	—
Standard Sheet Size	12" x 16"	—
Density /g.cm ⁻³	1.8	—
Hardness /Shore 00	20	ASTM D2240
UL Flammability Rating	UL94 V0	—
Temperature Range /°C	-40~200°C	—
Thermal Conductivity W.m ⁻¹ .K ⁻¹	1.8	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 Spec 03 -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
RC = Rubberized Cloth
CB = Combination
OT = Other

Spec 03 = Special Derivative #

Thickness (mil)
00 = Custom thickness
04 = 40mil

83 = 8300 Series
OP = OPTIM™ gap filler

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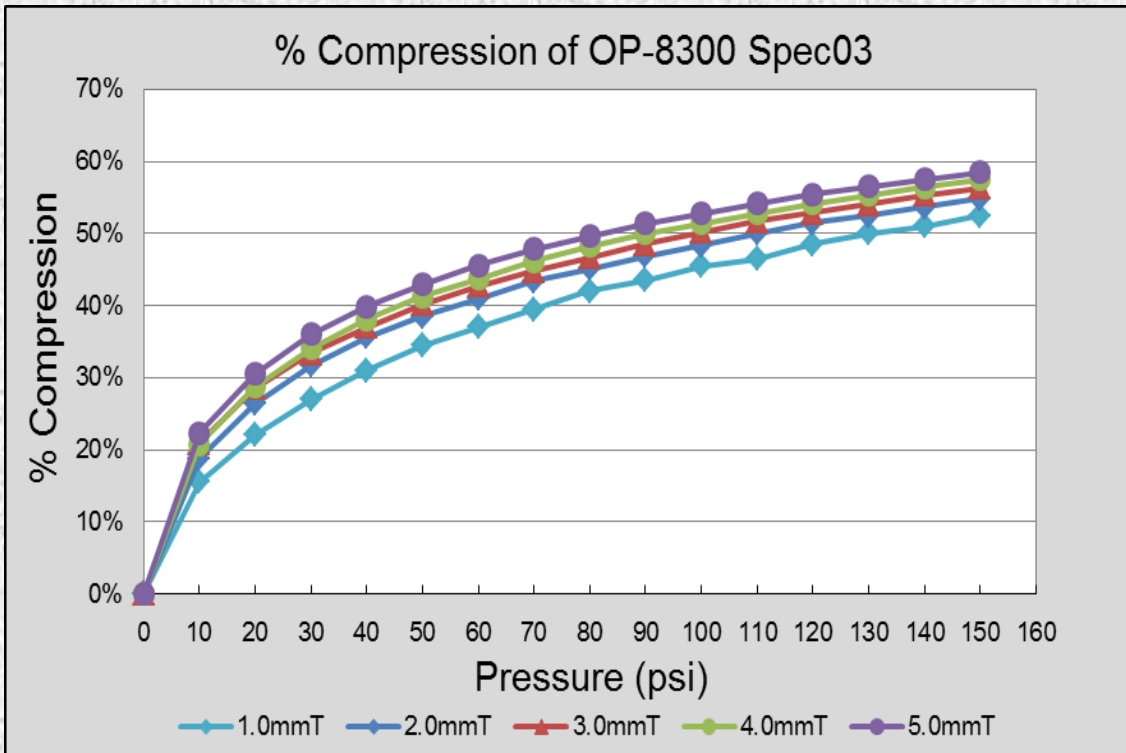
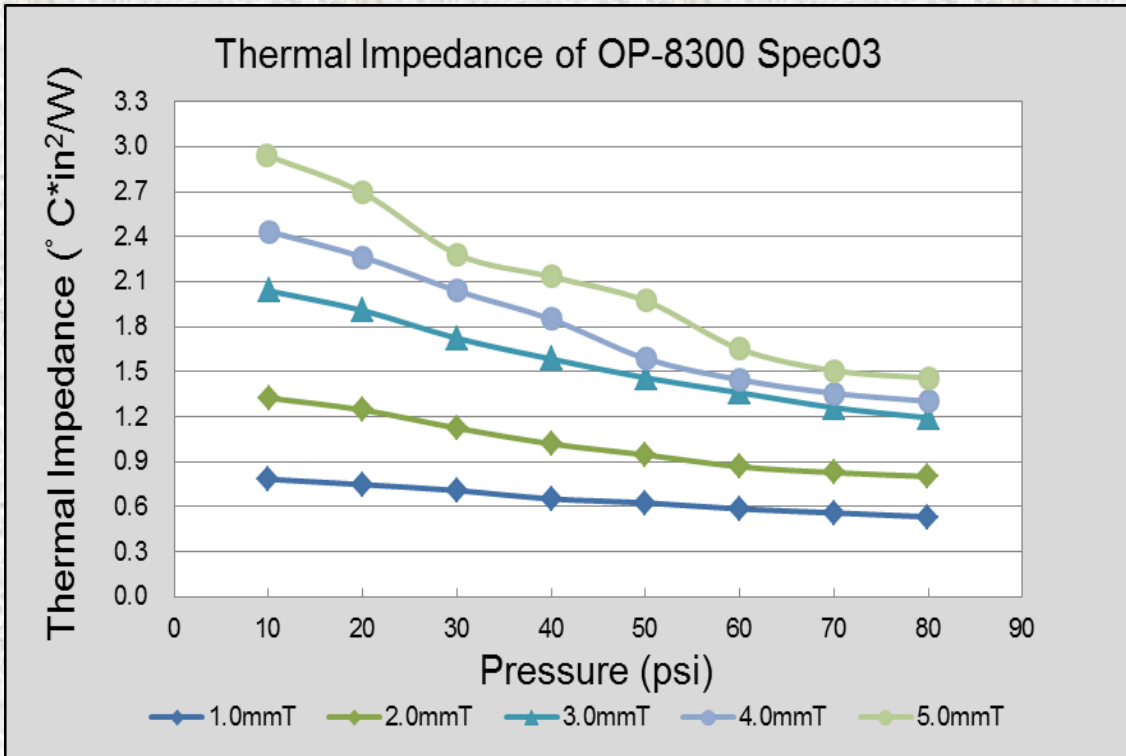
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