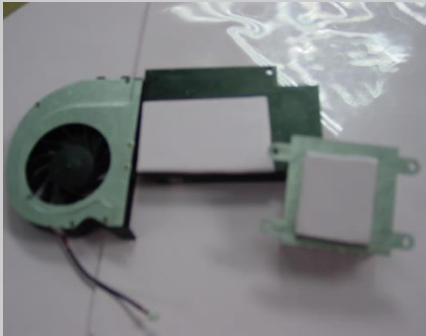


**Features and Benefits**

- 3.2W/m-K thermal conductivity
- Good conformability
- Naturally tacky
- Electrically isolating
- RoHS compliant
- Halogen-free



**Typical Applications**

- Cooling component to the chassis, frame, or other type of heat spreader
- Mass storage device
- Heat pipe assemblies
- RDRAM memory modules
- Motor control
- Telecommunication hardware

**Optional Configurations**

- Can be die-cut into specific dimensions

OP-8600 is a high performance thermal gap filler with good conformability. It is effective in blanketing uneven surfaces while transferring heat from the heat source to the cooling component.

It is electrically non-conductive and naturally tacky. Additional adhesive is generally not required. Its RoHS compliant and halogen-free status provides extra assurance for applications that are sensitive to hazardous substances.

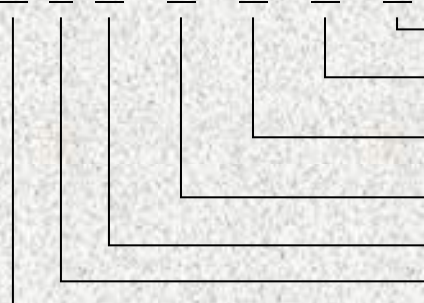
Properties	OP-8600 Series	Test Method
Construction & Composition	Soft silicone elastomer	—
Color	Pink	Visual
Thickness Range /inch (mm)	0.01"~0.40" (0.254~10.16) in 0.01" (0.254) increments	—
Standard Sheet Size	9" x 9"	—
Density /g.cm <sup>-3</sup>	1.32	—
Hardness /Shore 00	45	ASTM D2240
Tensile Strength /psi	34	ASTM D412
UL Flammability Rating	UL94 HB	—
Temperature Range /°C	-40~200°C	—
Thermal Conductivity W.m <sup>-1</sup> .K <sup>-1</sup>	3.2	ASTM D5470 (modified)
Breakdown Voltage /V	>3000 (Thickness ≤ 0.02") >5000 (Thickness = 0.03~0.04") >6000 (Thickness ≥ 0.05")	ASTM D149
Volume Resistivity /ohm.cm	3.0 x 10 <sup>13</sup>	ASTM D257
Dielectric Constant @ 1MHz	3.3	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)	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)	Optional to all thickness

**Product Code and Descriptions**

OP 86 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  
 OT = Other
- Thickness (mil)**  
 00 = Custom thickness  
 04 = 40mil
- 86 = 8600 Series**  
**OP = OpTIM™ gap filler**

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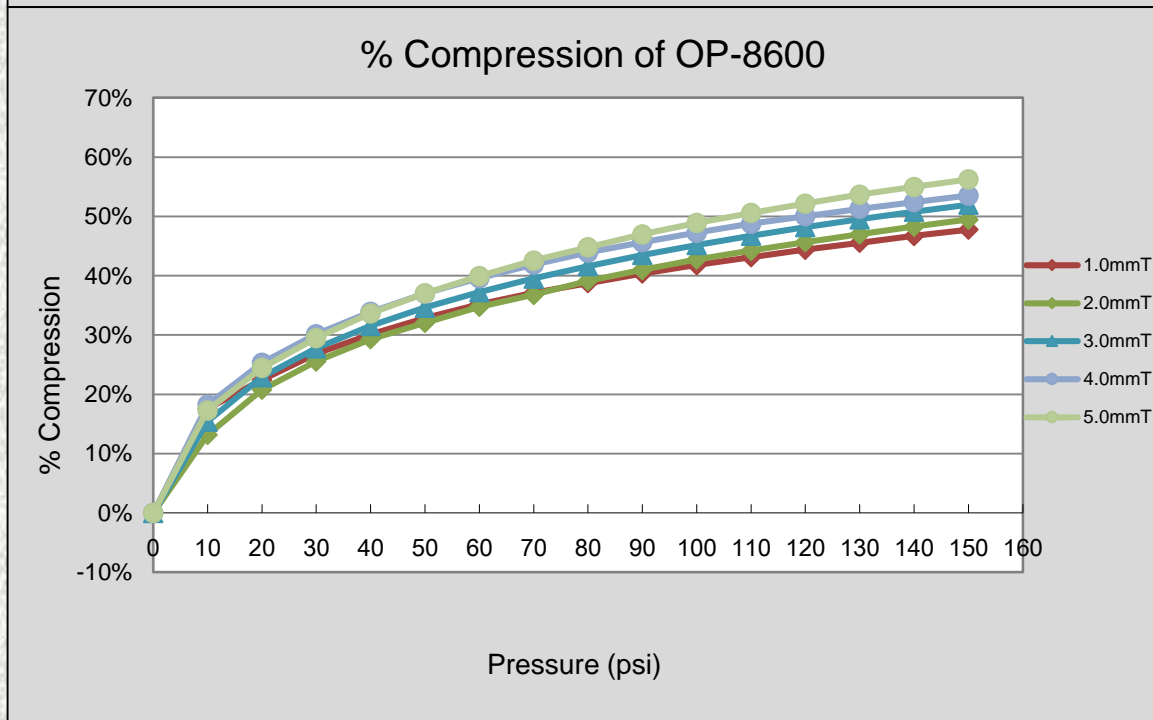
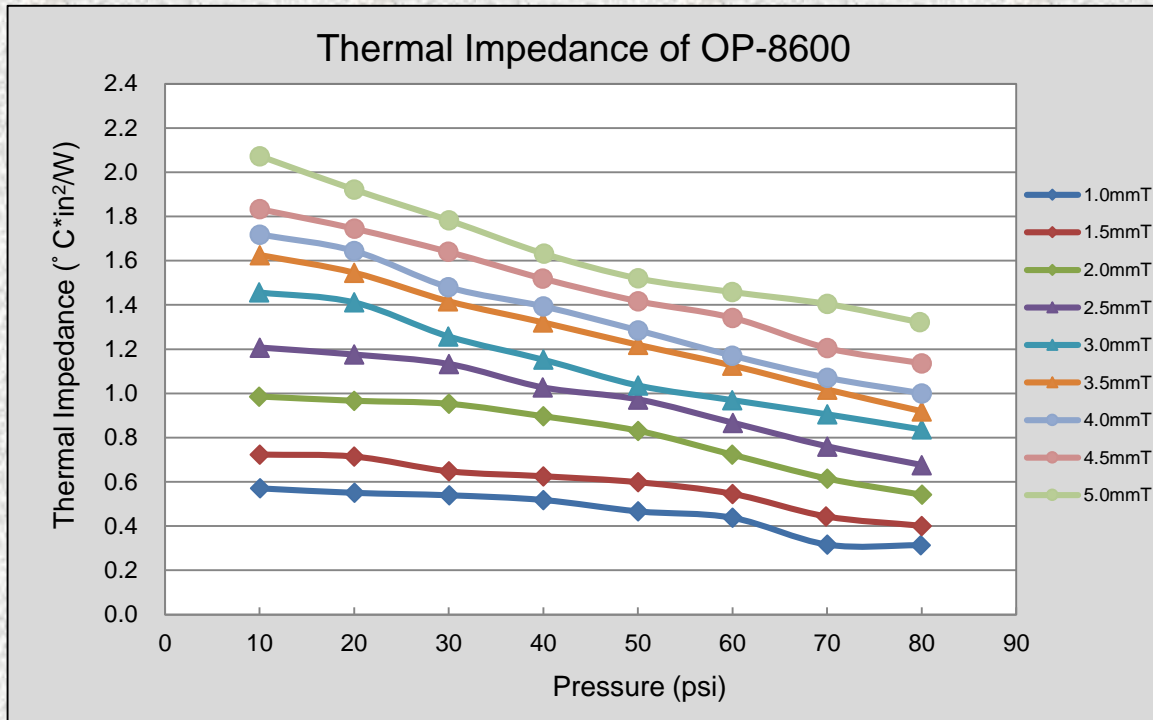
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