

**Features and Benefits**

- 2.5W/m-K thermal conductivity
- Good compressibility
- RoHS Compliant
- Halogen-free
- Naturally tacky

OP-8400 Spec 08 is a performance-improved derivative of the original OP-8400 gap pad. It is exceptionally soft and exhibits good thermal performance. It is compliant to RoHS standard while maintaining its halogen-free status. These special features are benefited from the proprietary composition of metal oxide fillers in its binder matrix.

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



**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

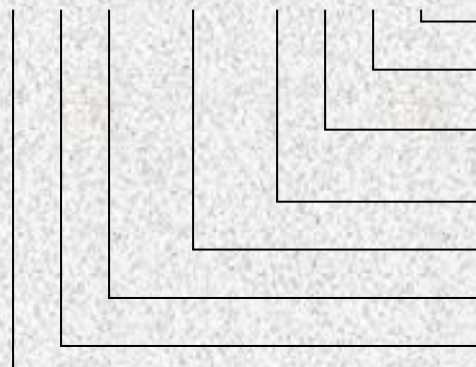
Properties	Typical Data	Test Method
Construction & Composition	Soft silicone elastomer	—
Color	Pink	Visual
Thickness Range /inch (mm)	0.01"~0.40" (0.254~10.16) in 0.01" (0.254) increments	—
Standard Sheet Size	12" x 16"	—
Density /g.cm <sup>-3</sup>	2.56	—
Hardness /Shore 00	25	ASTM D2240
Tensile Strength /psi	20	ASTM D412
UL Flammability Rating	UL94 V0	—
Temperature Range /°C	-40~200°C	—
Thermal Conductivity W.m <sup>-1</sup> .K <sup>-1</sup>	2.5	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	7.5 x 10 <sup>13</sup>	ASTM D257
Dielectric Constant @ 1MHz	6.2	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)	Optional to ≥ 0.039" (1.0mm)
Aluminum Foil (AL)	Optional to ≥ 0.039" (1.0mm)
Kapton (PI)	Not Recommended
Talc treatment (DAT)	Optional to all thickness

**Product Code and Descriptions**

OP 84 XX Spec 08 -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 08 = Special Derivative #**
- Thickness (mil)**  
00 = Custom thickness  
04 = 40mil
- 84 = 8400 Series**  
OP = OPTIM™ gap filler

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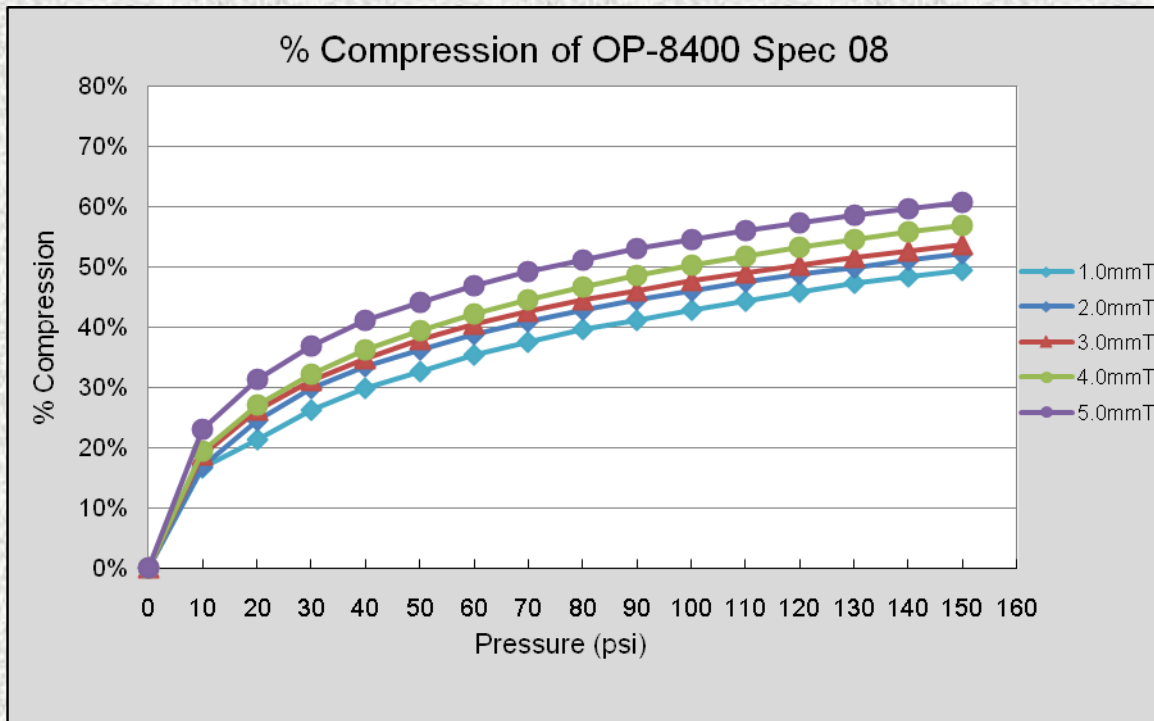
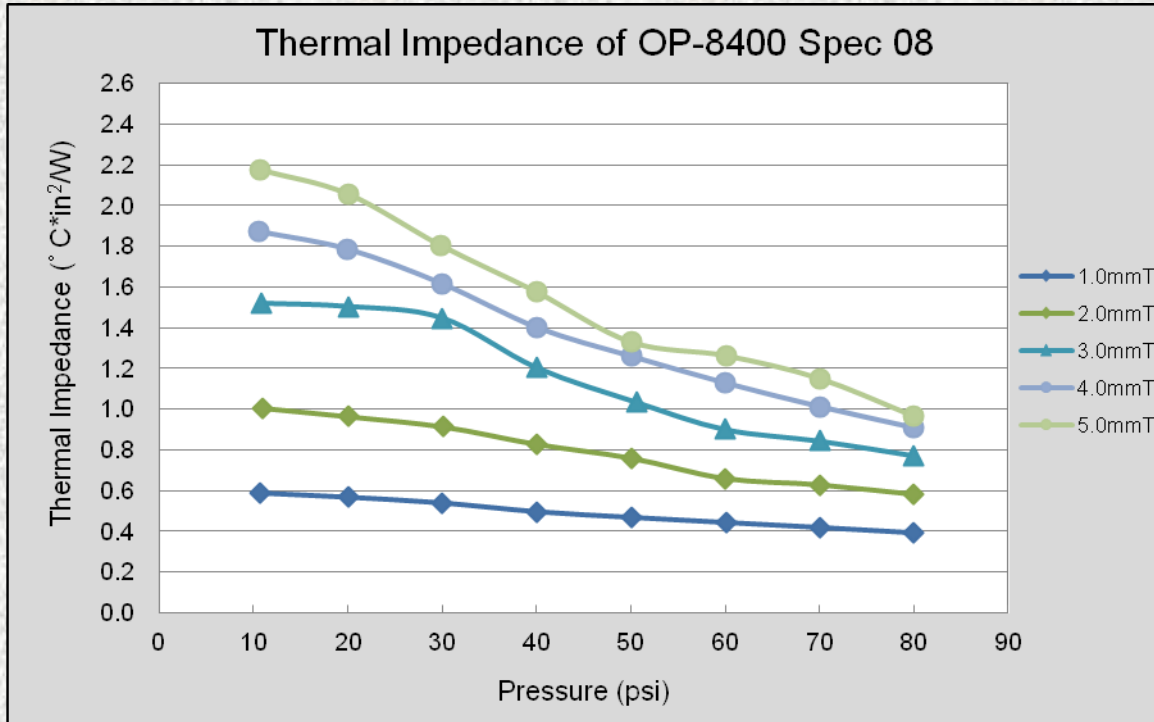
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