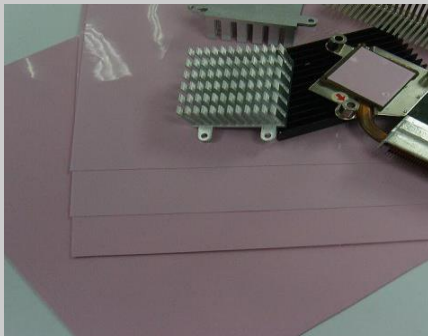


### Features and Benefits

- 2.5W/m-K thermal conductivity
- Improved handling properties
- Naturally tacky



### 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 8400 Spec 05 is a functional derivative of the original OP 8400 series. It exhibits good thermal performance but with much improved handling properties than the normal OP 8400. It is compliant to RoHS standard while maintaining its halogen-free status.

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

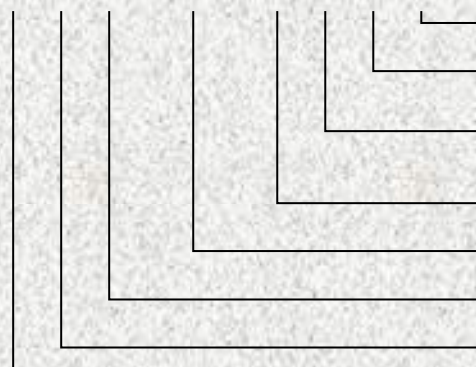
Properties	Typical Data	Test Method
Construction & Composition	Soft silicone elastomer	—
Color	Pink	Visual
Thickness Range /inch (mm)	0.012"~0.40" (0.3~10.16) in 0.01" (0.254) increments	—
Standard Sheet Size	12" x 16"	—
Density /g.cm <sup>-3</sup>	2.56	—
Hardness /Shore 00	20	ASTM D2240
UL Flammability Rating	UL94 V0	—
Temperature Range /°C	-40~200°C	—
Thermal Conductivity W.m <sup>-1</sup> .K <sup>-1</sup>	2.5	ASTM D5470 (modified)
Breakdown Voltage /V	>5000 (Thickness ≤ 0.03")	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)	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 05 -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 05 = Special Derivative #**

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

**84 = 8400 Series**  
**OP = OPTIM™ gap filler**

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#### SEM Belgium bv

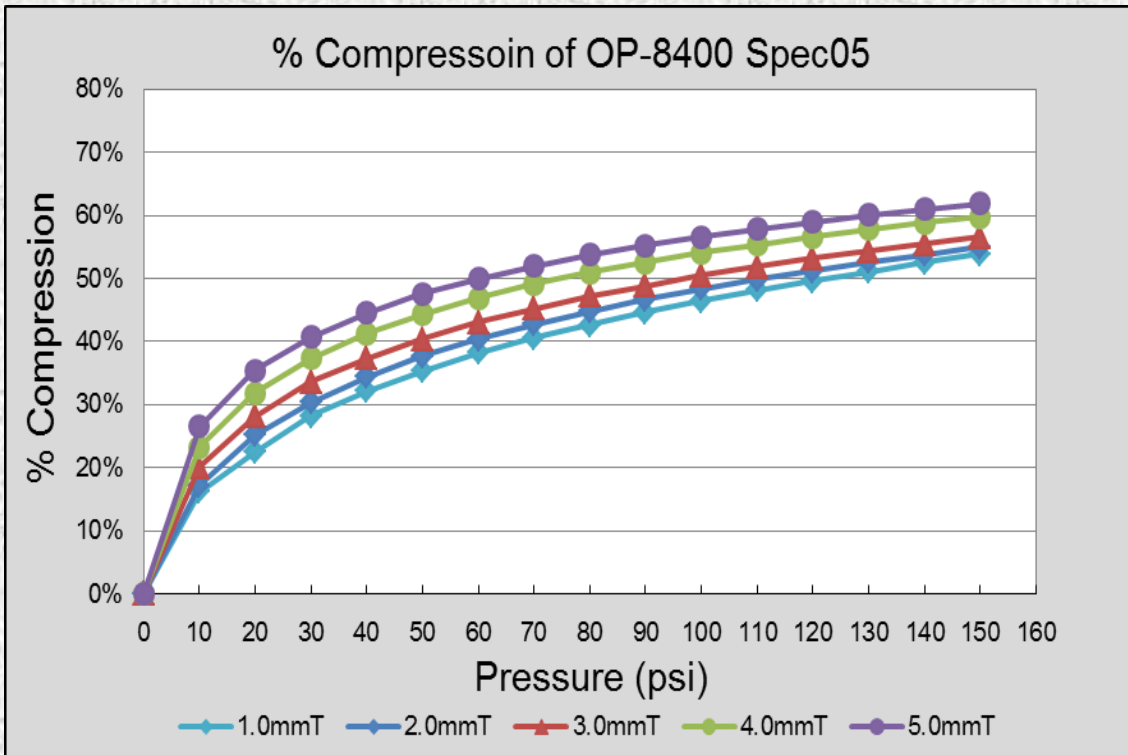
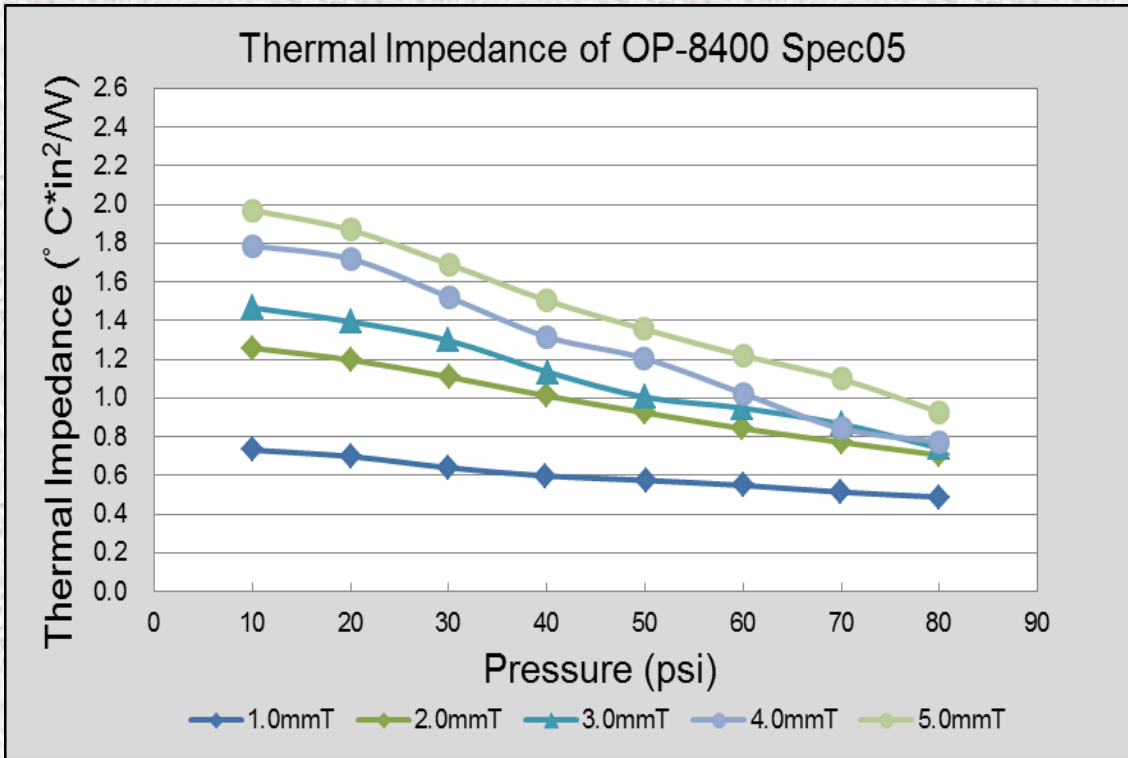
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