

# SCHLEGEL electronic materials

a member of **CMEIGroup** 

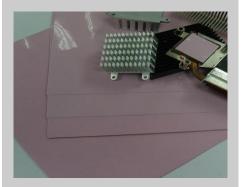
adhesive is generally not required.

# **OP-8400 Spec 01**

THERMAL CONDUCTIVE GAP FILLER 2.5W/m-K

#### **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 devise
- Heat pipe assemblies
- RDRAM memory modules
- Motor control
- Telecommunication hardware

#### **Optional Configurations**

- Fibreglass reinforcements are
- recommended for ≤ 0.03"
- Adhesive coating are optional Can be die-cut into specific dimensions

OP-8400 Spec 01 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 electrically non-conductive and naturally tacky. Additional

Properties	OP-8400 Spec 01	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	60	ASTM D2240
UL Flammability Rating	Conforms to UL94 V0	—
Temperature Range /℃	<b>-40~200</b> ℃	—
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	24 months	

Carrier Treatment	Criteria			
Fiber Glass (FG)	Compulsory for ≤ 0.02'' (0.5mm)			
Rubberized Cloth (RC)	Not Recommended			
Pressure Sensitive Adhesive (PSA)	Optional to all thickness			
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			

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<u>OP</u>	<u>84</u>	<u>xx</u>	<u>Spec 01</u>	<u>xx</u>	<u>xx</u>	<u>xx</u>	<u>xx</u>	
							L	Dimensions SS = Standard sheet size Release Liner ST = Standard OT = Other BSA

**Product Code and Descriptions** 

Please contact us for other special requirements

A1 = One side A2 = Both sides OT = Other



## Spec 01 = Special Derivative #

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

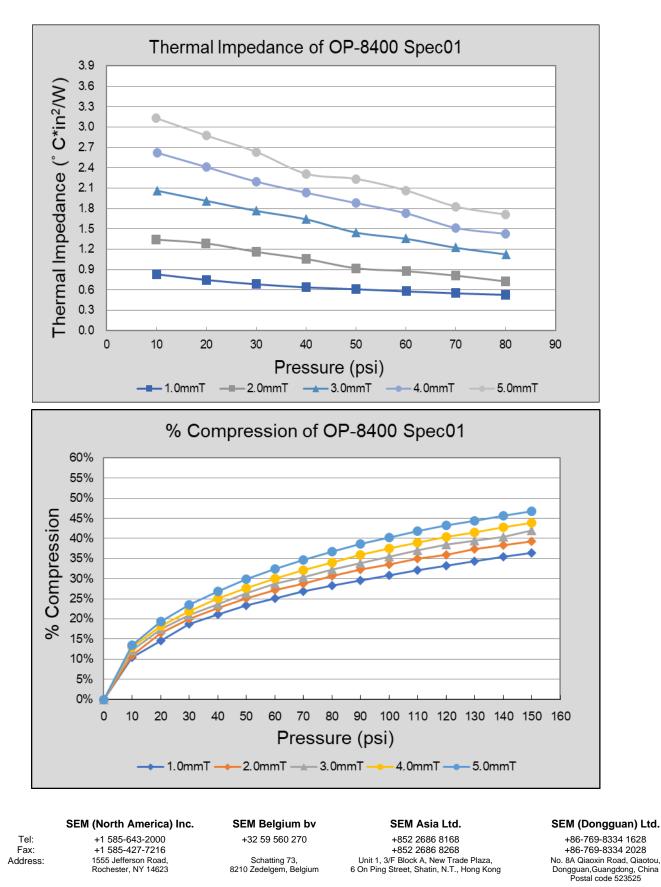
84 = 8400 Series OP = OPTIM<sup>™</sup> gap filler





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