

SCHLEGEL

OP-8500 Spec 04

THERMALLY CONDUCTIVE GAP FILLER

Features and Benefits

- 4.0W/m-K thermal conductivity
- Good compressibility
- Naturally tacky
- Electrically isolating
- RoHS compliant
- Halogen-free



Typical Applications

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

Optional Configurations

Can be die-cut into specific dimensions

OP-8500 Spec 04 offers good thermal performance and exceptional conformability. This material conforms to surface irregularities under low application pressures. It is electrically non-conductive and naturally tacky. Additional adhesive is generally not required.

The proprietary formulation of OP-8500 Spec 04 is RoHS compliant and halogen-free, providing extra reassurance in applications where hazardous substances are forbidden.

Soft silicone elastomer Violet	
Violet	A REAL PROPERTY AND A REAL
	Visual
0.02"~0.40" (0.508~10.16) in 0.01" (0.254) increments	
12" x 16"	-
3.3	Section # 1972s
45	ASTM D2240
34	ASTM D412
UL94 V0	
-40~200 ℃	-
4.0	ASTM D5470 (modified)
>4000 (Thickness = 0.02~0.04") >6000 (Thickness ≥ 0.04")	ASTM D149
8.0 x 10 ¹³	ASTM D257
12.8	ASTM D150
24	
	$ \begin{array}{r} 12" \times 16" \\ $

Carrier Treatment	Criteria
Fiber Glass (FG)	Not Recommended
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)	Not Recommended

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Product Code and Descriptions

<u>Spec 04</u> -XX -XX -XX -XX OP 85 XX Dimensions SS = Standard sheet size Release Liner ST = Standard OT = Other PSA PSA A1 = One side A2 = Both sides OT = Other **Carrier** FG = Fiberglass CB = Combination OT = Other Spec 04 = Special Derivative # Thickness (mil) 00 = Custom thickness 04 = 40mil 85 = 8500 Series OP = OPTIM[™] gap filler SEM Belgium byba SEM (Far East) Ltd. SEM (Dongguan) Ltd. +32 59 560 270 +852 2686 9872 +86-769-8356 5686

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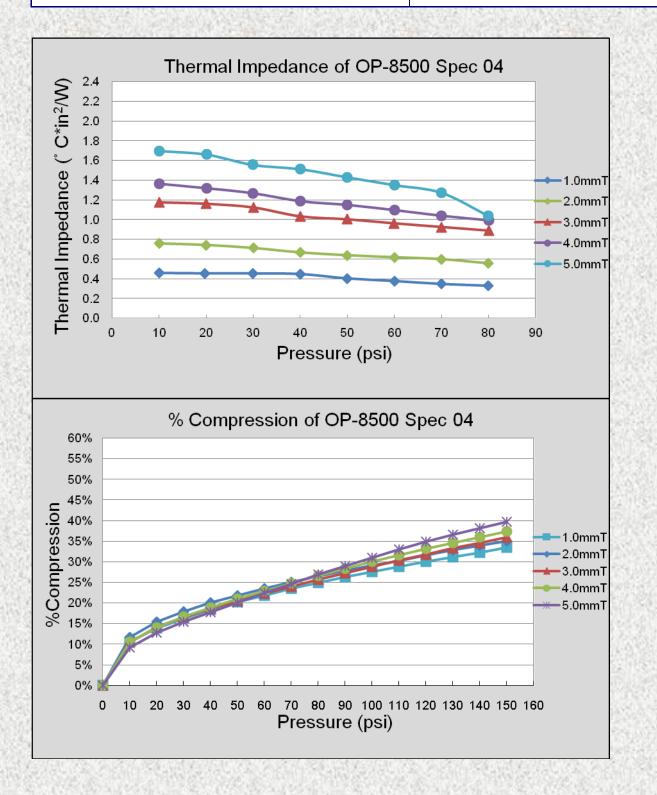
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THERMALLY CONDUCTIVE GAP PAD



SCHLEGEL electronic materials

a member of **CMEI Group**

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