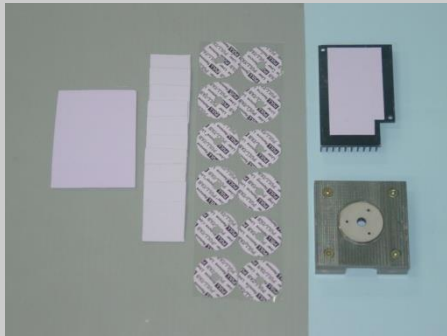


Features and Benefits

- 3.0W/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 modules
- Motor control
- Telecommunication hardware

Optional Configurations

- Can be die-cut into specific dimensions

OP-8500 Spec 01 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.

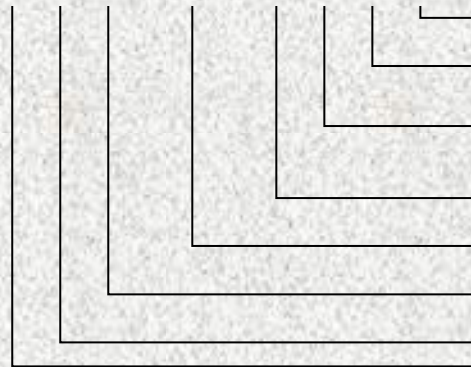
The proprietary formulation of OP-8500 Spec 01 is RoHS compliant and halogen-free, providing extra reassurance in applications where hazardous substances are forbidden.

Properties	OP-8500 Spec 01	Test Method
Construction & Composition	Soft silicone elastomer	—
Color	Violet	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 ⁻³	2.98	—
Hardness /Shore 00	25	ASTM D2240
Tensile Strength /psi	34	ASTM D412
UL Flammability Rating	UL94 V0	—
Temperature Range /°C	-40~200°C	—
Thermal Conductivity W.m ⁻¹ .K ⁻¹	3.0	ASTM D5470 (modified)
Breakdown Voltage /V	>6000 (Thickness ≤ 0.04") >10000 (Thickness ≥ 0.05")	ASTM D149
Volume Resistivity /ohm.cm	8.0 x 10 ¹³	ASTM D257
Dielectric Constant @ 1MHz	12.4	ASTM D150
Shelf Life /Months	24	—
Please contact us for other 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 85 XX Spec 01 -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
 AL = Aluminum foil
 CB = Combination
 OT = Other
Spec 01 = Special Derivative #
Thickness (mil)
 00 = Custom thickness
 04 = 40mil
85 = 8500 Series
OP = OPTIM™ gap filler

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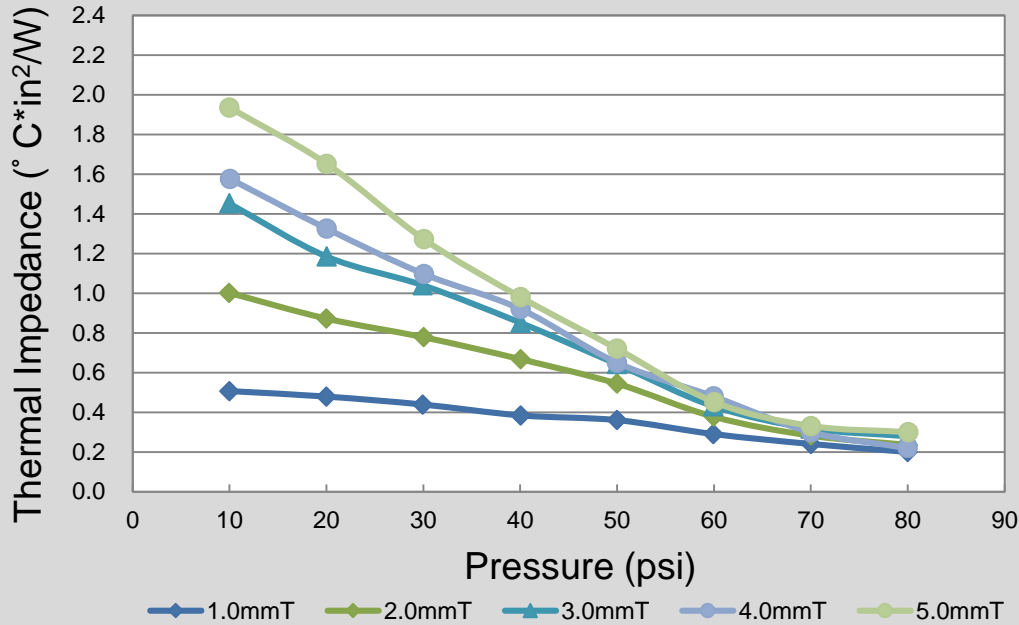
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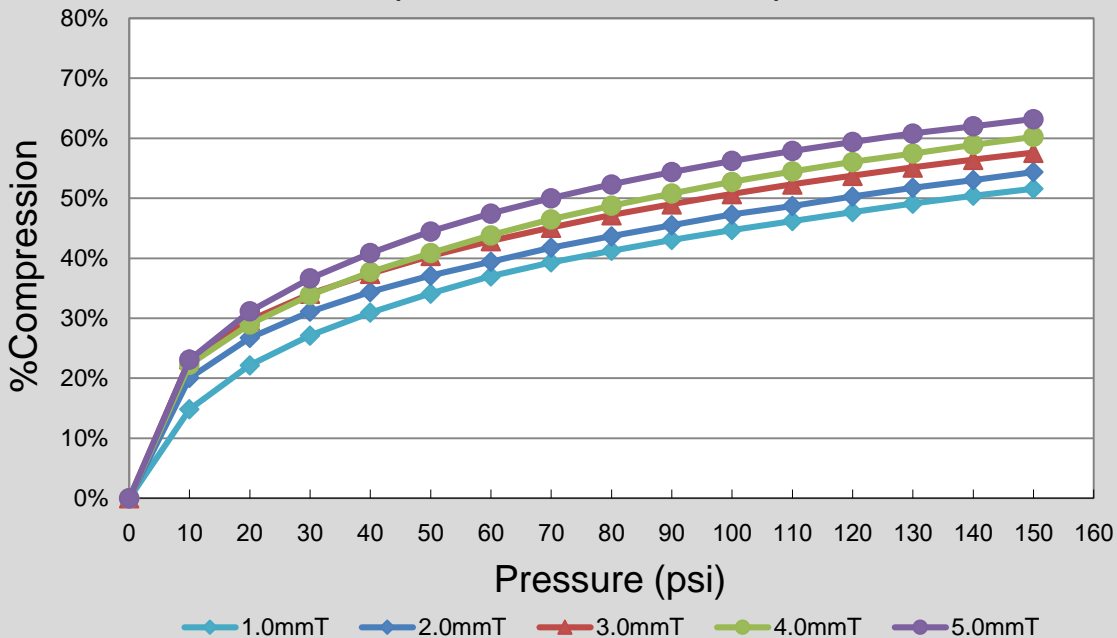
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Thermal Impedance of OP-8500 Spec01



%Compression of OP-8500 Spec01



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