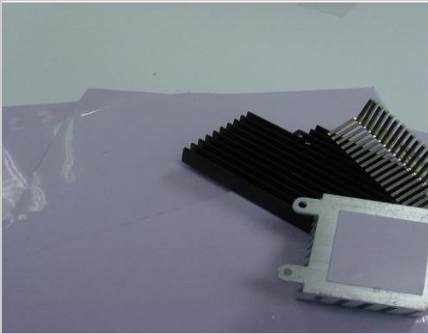


Features and Benefits

- 5.0W/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 device
- Heat pipe assemblies
- RDRAM memory modules
- Motor control
- Telecommunication hardware

Optional Configurations

- Can be die-cut into specific dimensions

OP-8500 Spec 05 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.

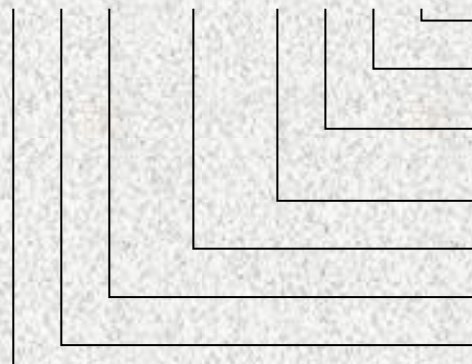
The proprietary formulation of OP-8500 Spec 05 is RoHS compliant and halogen-free, providing extra reassurance in applications where hazardous substances are forbidden.

Properties	OP-8500 Spec 05	Test Method
Construction & Composition	Soft silicone elastomer	—
Color	Violet	Visual
Thickness Range /inch (mm)	0.02"~0.40" (0.508~10.16) in 0.01" (0.254) increments	—
Standard Sheet Size	12" x 16"	—
Density /g.cm ⁻³	3.3	—
Hardness /Shore 00	45	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	5.0	ASTM D5470 (modified)
Breakdown Voltage /V	>4000 (Thickness = 0.02~0.04") >6000 (Thickness ≥ 0.04")	ASTM D149
Volume Resistivity /ohm.cm	8.0 x 10 ¹³	ASTM D257
Dielectric Constant @ 1MHz	12.8	ASTM D150
Shelf Life /Months	24	—
Please contact us for other requirements		

Carrier Treatment	Criteria
Fiber Glass (FG)	Not Recommended
Rubberized Cloth (RC)	Not Recommended
Pressure Sensitive Adhesive (PSA)	Not Recommended
Detachable Adhesive (DA)	Optional to all thickness
Aluminum Foil (AL)	Not Recommended
Kapton (PI)	Not Recommended
Talc treatment (DAT)	Optional to all thickness

Product Code and Descriptions

OP 85 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
 CB = Combination
 OT = Other
Spec 05 = Special Derivative #
Thickness (mil)
 00 = Custom thickness
 04 = 40mil
85 = 8500 Series
OP = OPTIM™ gap filler

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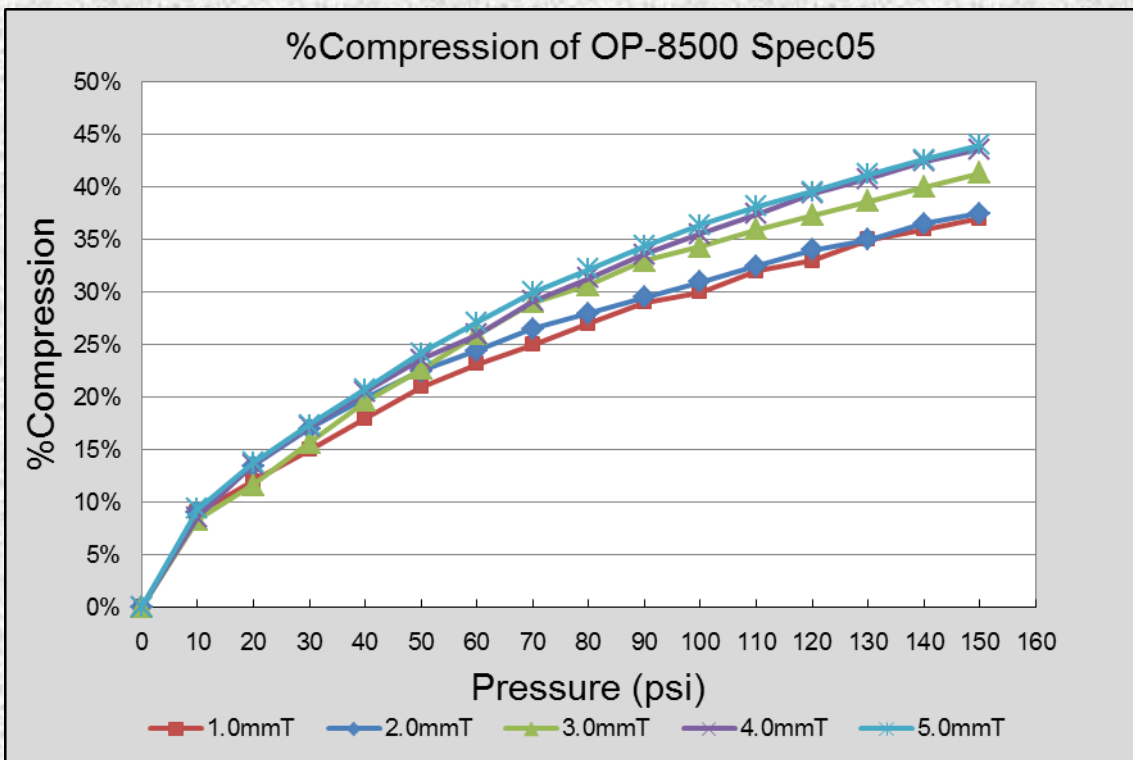
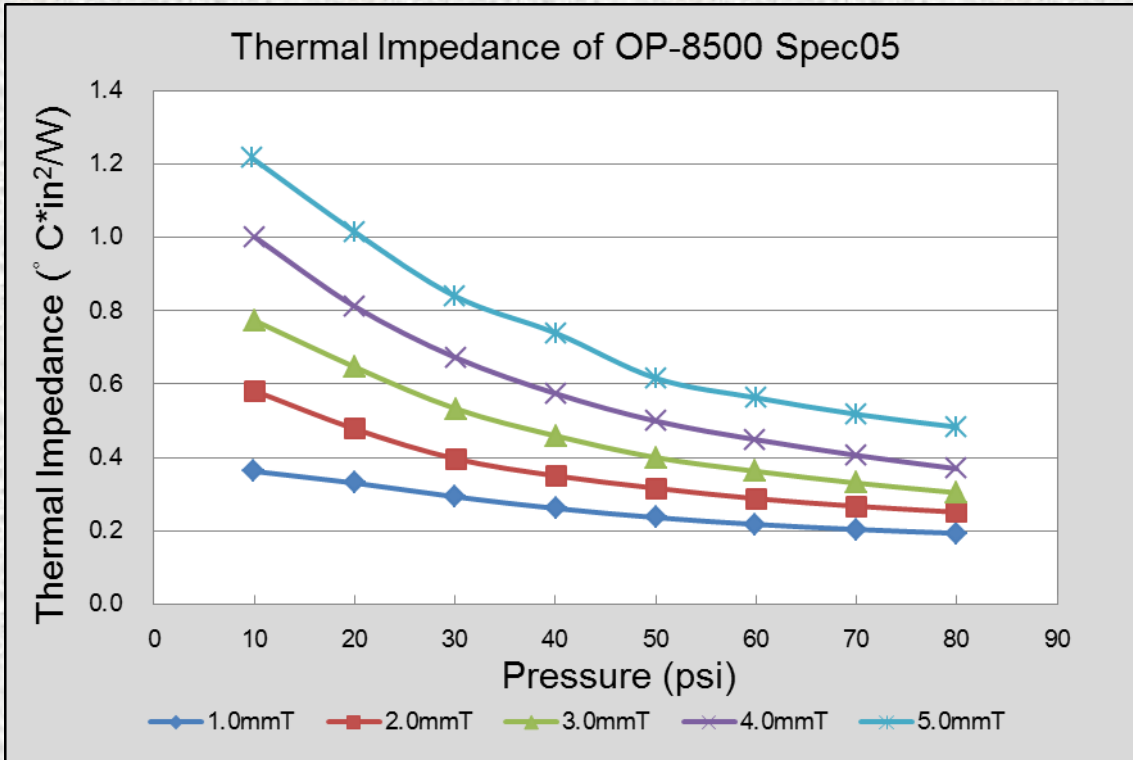
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