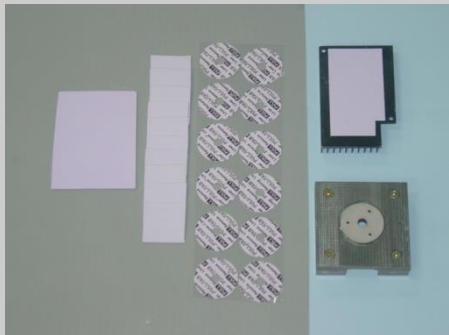


Features and Benefits

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

Optional Configurations

- Can be die-cut into specific dimensions

OP-8500 offers improved thermal performance and 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.

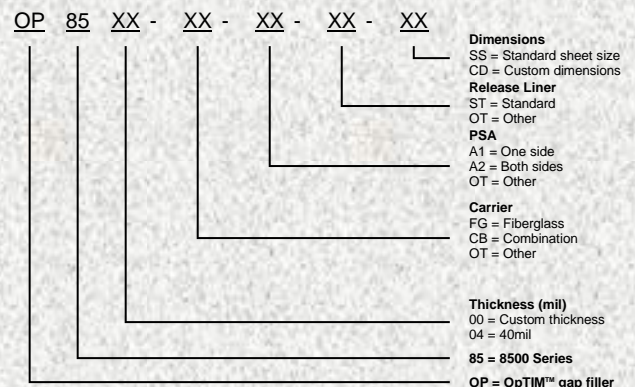
The proprietary formulation of OP-8500 is RoHS compliant and halogen-free, providing extra reassurance in applications where hazardous substances are forbidden.

Properties	OP-8500 Series	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	40	ASTM D2240
Tensile Strength /psi	34	ASTM D412
UL Flammability Rating	UL94 V0	E109346
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)	Optional to all thickness
Detachable Adhesive (DA)	Optional to ≥ 0.039" (1.0mm)
Aluminum Foil (AL)	Not Recommended
Kapton (PI)	Not Recommended
Talc treatment (DAT)	Optional to all thickness

Product Code and Descriptions



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 Fax: +1 585-427-7216
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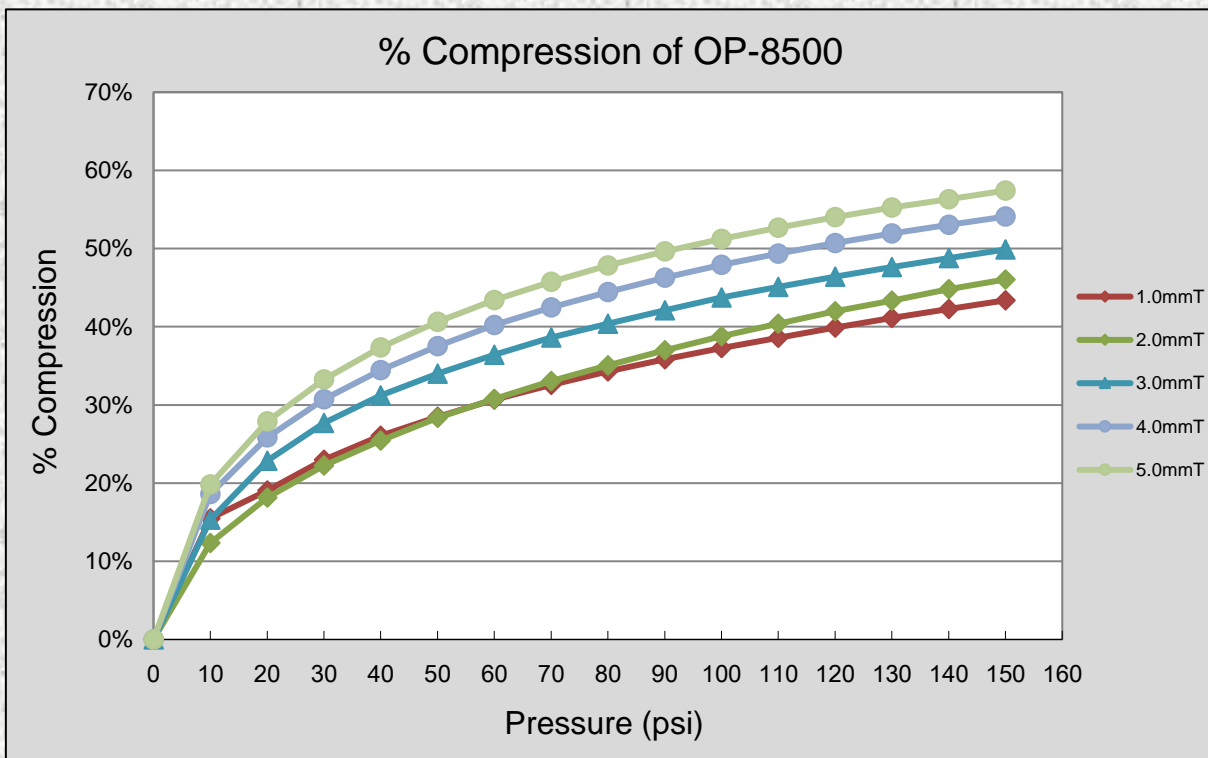
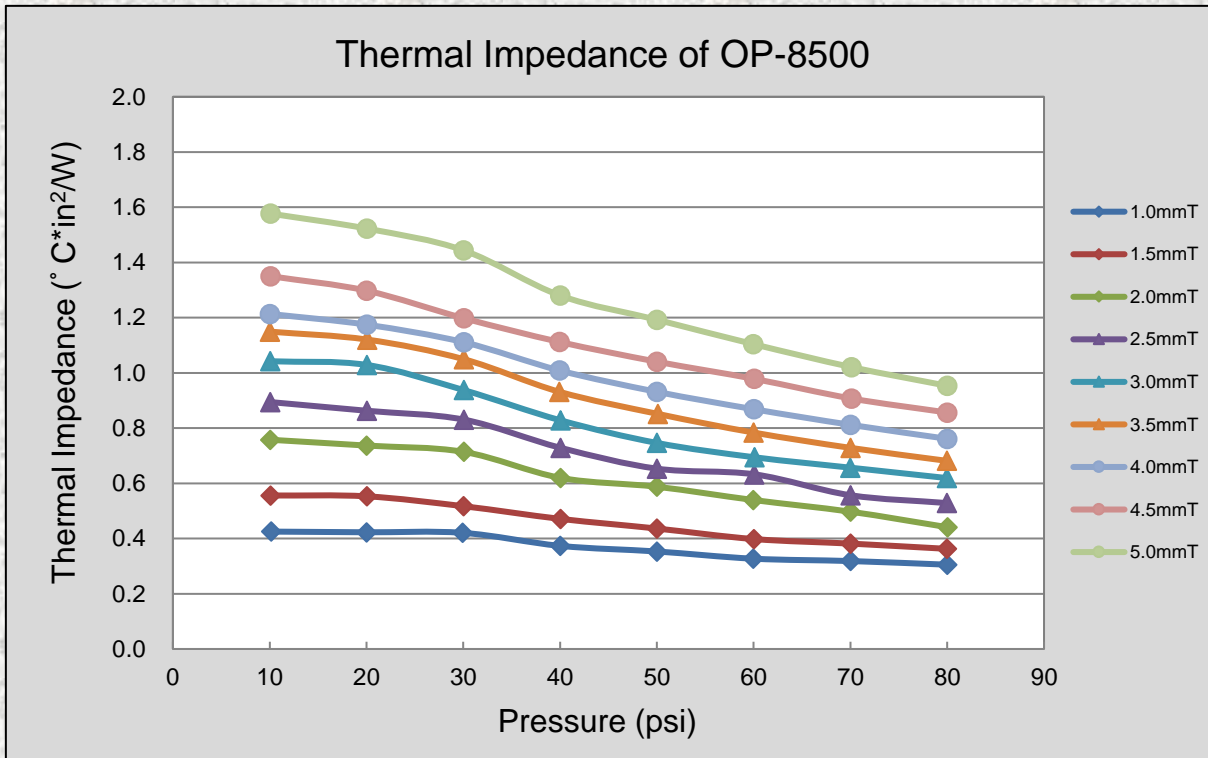
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