



Features and Benefits

- 2.5W/m-K thermal conductivity
- Good compressibility
- RoHS Compliant
- Halogen-free
- Naturally tacky



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

- Fibreglass reinforcements are recommended for $\leq 0.03"$
- Adhesive coating are optional
- Rubber-coated carrier is optional
- Can be die-cut into specific dimensions

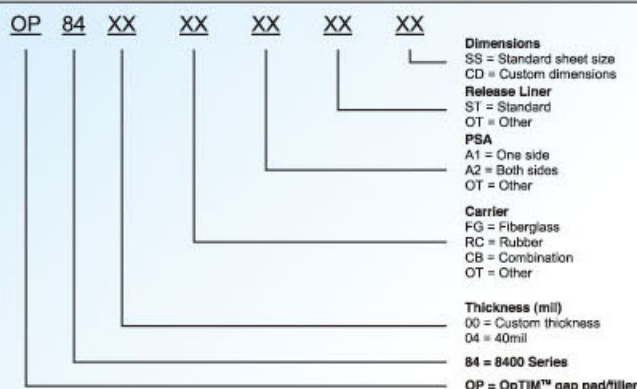
OP-8400 is exceptionally soft and exhibits good thermal performance. It is compliant to RoHS standard while maintaining its halogen-free status. These special features are benefited from the proprietary composition of metal oxide fillers in its binder matrix.

OP-8400 is electrically non-conductive and naturally tacky. Additional adhesive is generally not required.

Properties	OP-8400 Series	Test Method
Construction & Composition	Soft silicone elastomer	—
Color	Pink	Visual
Thickness Range /inch (mm)	0.02"~0.20" (0.508~5.08) in 0.01" (0.254) increments	—
Standard Sheet Size	12" x 16"	—
Density /g.cm ⁻³	2.56	—
Hardness /Shore 00	40	ASTM D2240
Tensile Strength /psi	20	ASTM D412
UL Flammability Rating	UL94 V0	E313523
Temperature Range /°C	-40~200°C	—
Thermal Conductivity W.m ⁻¹ .K ⁻¹	2.5	ASTM D5470 (modified)
Breakdown Voltage /V	>5000 (Thickness $\leq 0.03"$) >6000 (Thickness = 0.04~0.05") >10000 (Thickness $\geq 0.06"$)	ASTM D149
Volume Resistivity /ohm.cm	7.5×10^{13}	ASTM D257
Dielectric Constant @ 1MHz	6.2	ASTM D150

Please contact us for other special requirements

Product Code and Descriptions



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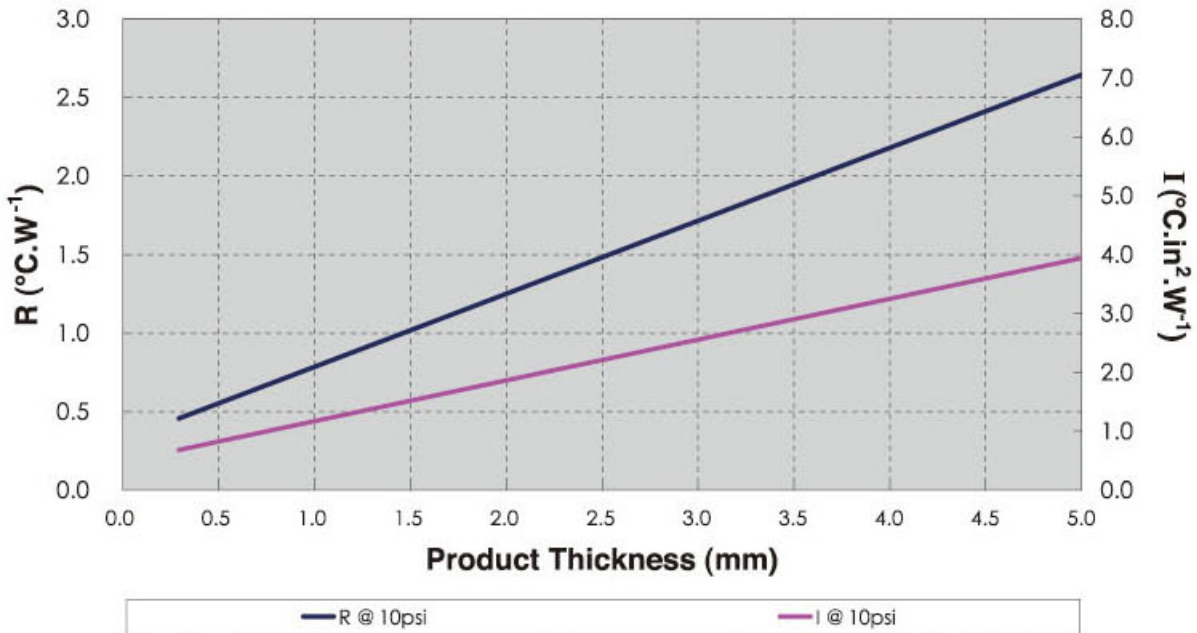
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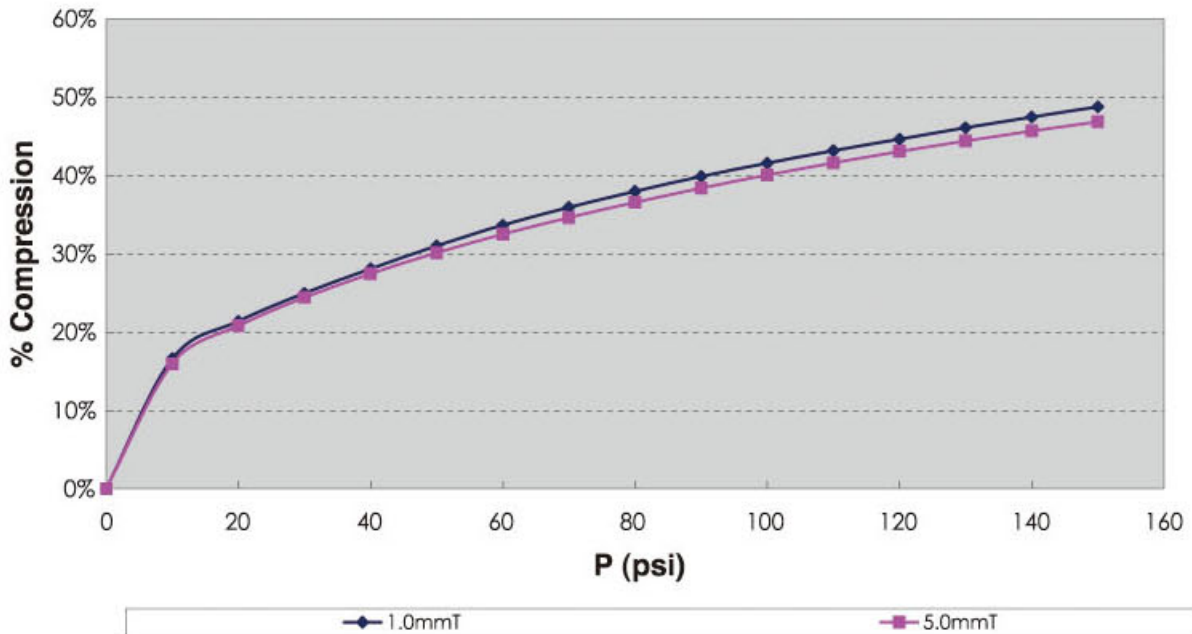
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Thermal Resistance & Impedance of OP-8400 (10psi)



% Compression – OP-8400



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