

Features and Benefits

- 1.5W/m-K thermal conductivity
- Exceptional compressibility
- Cost effective
- RoHS compliant
- Halogen-free
- Electrically isolating



Typical Applications

- High speed mass storage devices
- RDRAM memory modules
- Heat pipe assemblies
- Cooling components to the chassis, frame or other types of heat spreader
- Motor controls
- Wireless communication hardware

Optional Configurations

- Can be die-cut into specific dimensions

OP-8200 is an economical freestanding gap filling material. It offers moderate thermal conductivity and compressibility. It is an ideal solution for cost-sensitive applications.

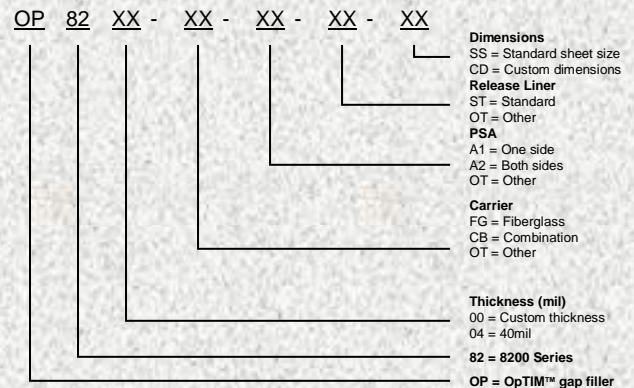
OP-8200 is RoHS compliant and halogen-free, providing extra reassurance in applications where hazardous substances are forbidden.

Properties	OP-8200 Series	Test Method
Construction & Composition	Soft silicone elastomer	—
Color	Light grey	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	1.76	—
Hardness /Shore 00	60	ASTM D2240
Tensile Strength /psi	58	ASTM D412
UL Flammability Rating	UL94 V0	—
Temperature Range /°C	-40~200°C	—
Thermal Conductivity W.m ⁻¹ .K ⁻¹	1.5	ASTM D5470 (modified)
Breakdown Voltage /V	>6000 (Thickness ≤ 0.03") >10000 (Thickness ≥ 0.04")	ASTM D149
Volume Resistivity /ohm.cm	3.0 x 10 ¹³	ASTM D257
Dielectric Constant @ 1MHz	5.0	ASTM D150
Shelf Life /Months	24	—

Please contact us for other special requirements

Carrier Treatment	Criteria
Fiber Glass (FG)	Compulsory for ≤ 0.02" (0.5mm)
Rubberized Cloth (RC)	Not Recommended
Pressure Sensitive Adhesive (PSA)	Optional to all thickness
Detachable Adhesive (DA)	Optional to all thickness
Aluminum Foil (AL)	Not Recommended
Kapton (PI)	Not Recommended
Talc treatment (DAT)	Not Recommended

Product Code and Descriptions



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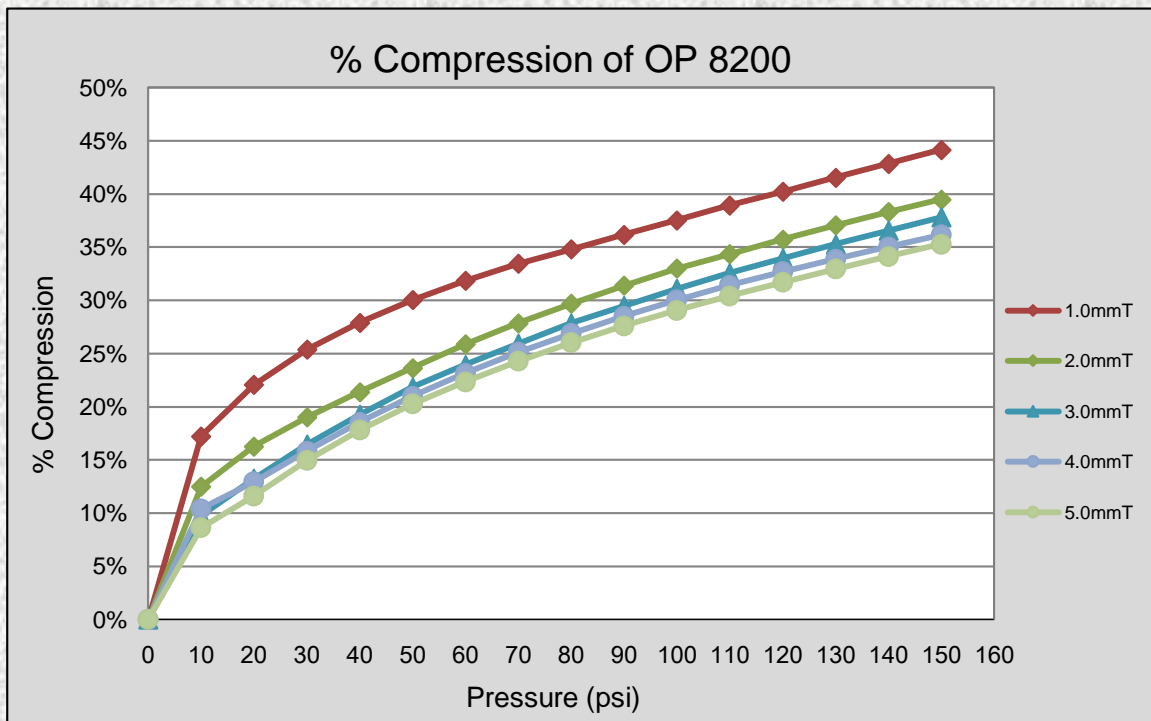
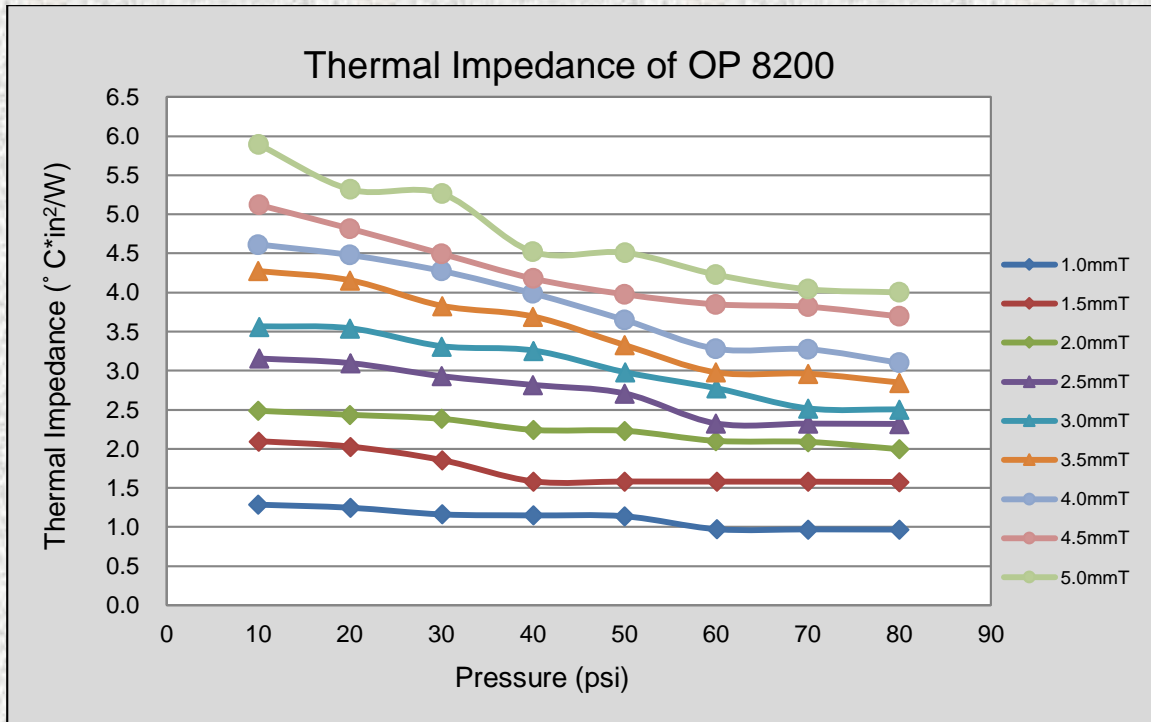
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