

Features and Benefits

- Superior thermal performance
- 6.0W/m-K thermal conductivity
- Electrically isolating
- RoHS compliant
- Halogen-free



Typical Applications

- Notebook Computers
- Handheld Portable Electronics
- Micro Heat Pipe assemblies
- Micro Processors, Memory Chips and Graphic Processors
- Motor Control
- Wireless Communication Hardware

Optional Configurations

- Can be die-cut into other dimensions

The proprietary boron nitride formula of OP-8800 offers superior thermal performance with moderate compressibility.

This thermal conductive gap filler is electrically non-conductive and stable from -40~200°C. Its RoHS compliant and halogen-free status makes it an ideal gap filler for hazardous substance sensitive applications.

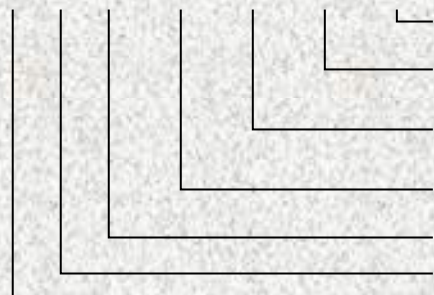
Properties	OP-8800 Series	Test Method
Construction & Composition	Boron nitride filled silicone elastomer	—
Color	Yellow	Visual
Thickness Range /inch (mm)	0.01"~0.40" (0.254~10.16) in 0.01" (0.254) increments	—
Standard Sheet Size	9" x 9"	—
Density /g.cm ⁻³	1.40	—
Hardness /Shore 00	70	ASTM D2240
Tensile Strength /psi	52	ASTM D412
UL Flammability Rating	UL94 HB	E109346
Temperature Range /°C	-40°C~200°C	—
Thermal Conductivity /W.m ⁻¹ .K ⁻¹	6.0	ASTM D5470 (modified)
Breakdown Voltage /V	>3000 (Thickness ≤ 0.02") >5000 (Thickness = 0.03~0.05") >6000 (Thickness ≥ 0.06")	ASTM D149
Volume Resistivity /ohm.cm	4.1 x 10 ¹³	ASTM D257
Dielectric Constant @ 1MHz	3.5	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)	Not Recommended
Detachable Adhesive (DA)	Not Recommended
Aluminum Foil (AL)	Not Recommended
Kapton (PI)	Not Recommended
Talc treatment (DAT)	Not Recommended

Product Code and Descriptions

OP 88 XX - XX - XX - XX - XX



Dimensions
 SS = Standard sheet size
 CD = Custom dimensions
Release Liner
 ST = Standard
 OT = Other
PSA
 A1 = One side
 A2 = Both sides
 OT = Other
Carrier
 FG = Fiberglass
 OT = Other
Thickness (mil)
 00 = Custom thickness
 04 = 40mil
88 = 8800 Series
OP = OpTIM™ gap filler

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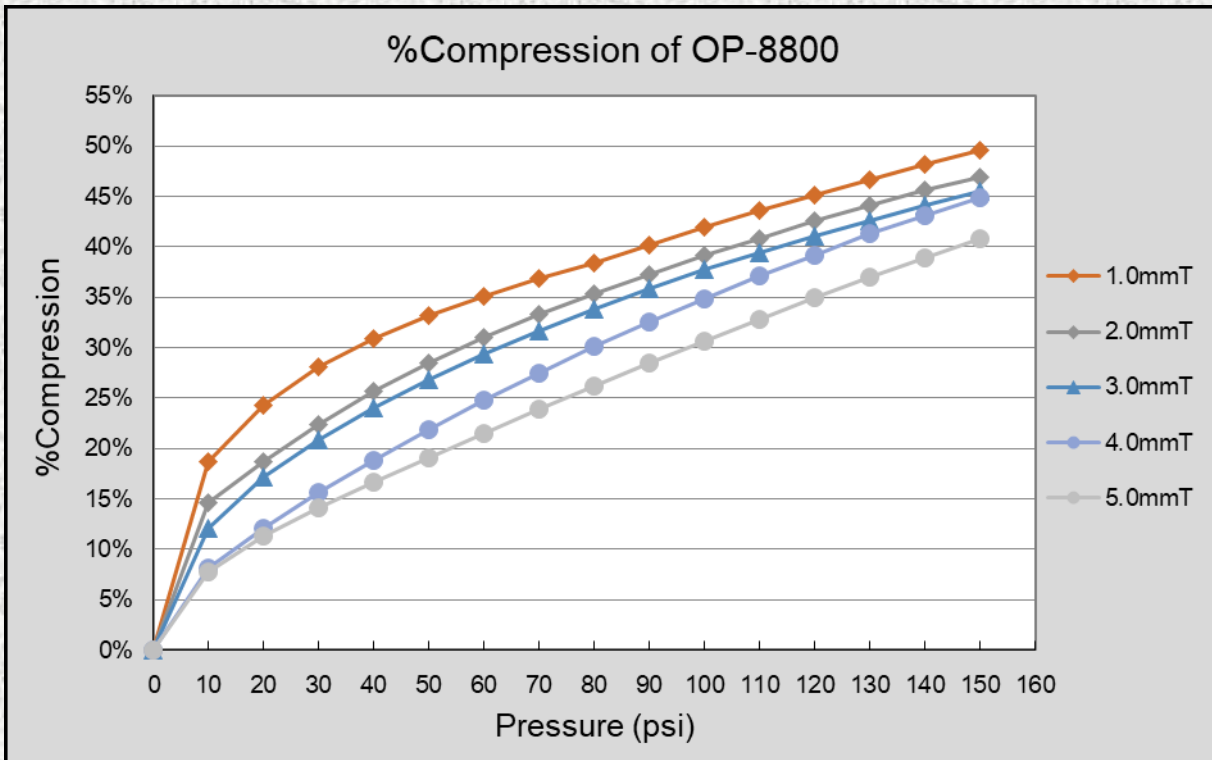
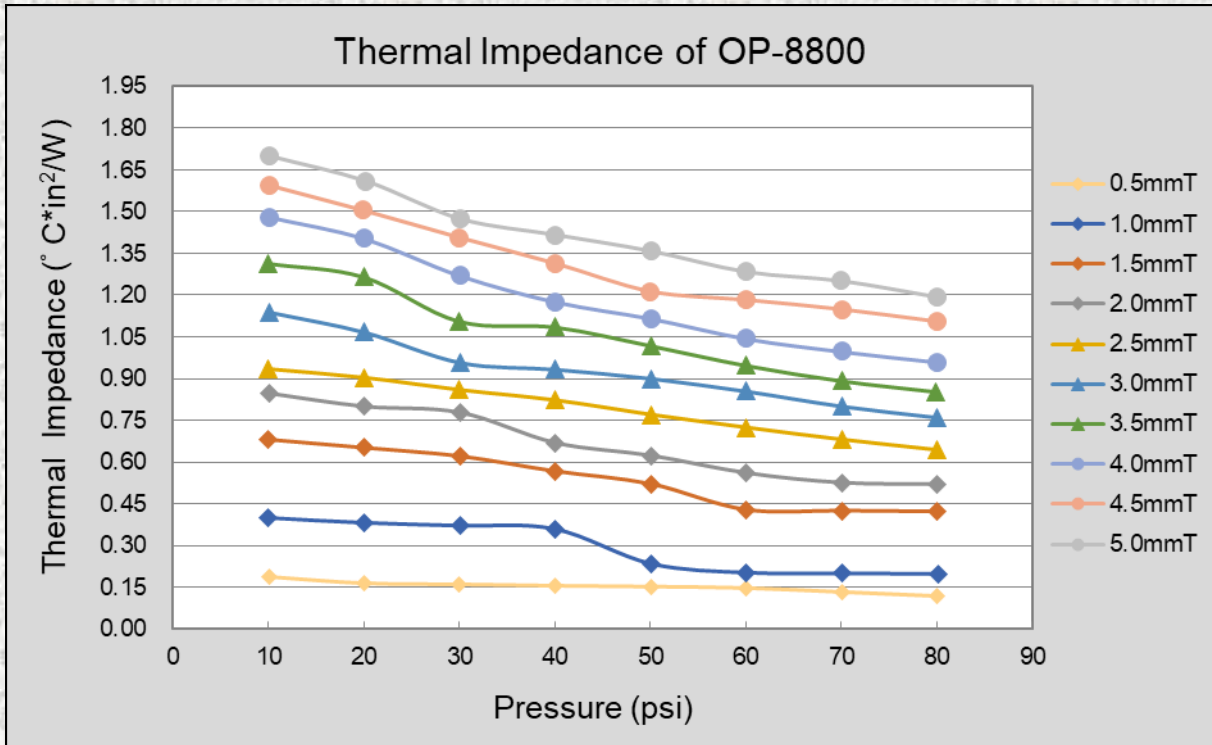
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