

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 Spec03 is an economical free standing gap filling material. It offers moderate thermal conductivity and compressibility. It is an ideal solution for cost-sensitive applications.

OP-8200 Spec03 is RoHS compliant and halogen-free, providing extra reassurance in applications where hazardous substances are forbidden.

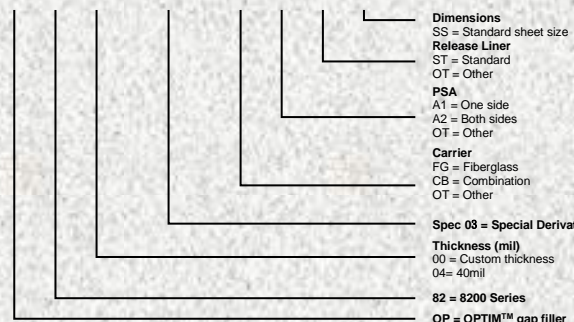
Properties	OP-8200 Spec03 Series	Test Method
Construction & Composition	Soft silicone elastomer	—
Color	Light grey	Visual
Thickness Range /inch (mm)	0.01~0.40" (0.254~10.16) in 0.01" (0.254) increments	—
Standard Sheet Size	12" x 16"	—
Density /g.cm ⁻³	1.76	—
Hardness /Shore 00	40	ASTM D2240
Tensile 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)	Not Recommended
Aluminum Foil (AL)	Not Recommended
Kapton (PI)	Not Recommended
Talc treatment (DAT)	Not Recommended

Product Code and Descriptions

OP 82 XX Spec 03 -XX -XX -XX -XX



SEM (North America) Inc.

Tel: +1 585-643-2000
Fax: +1 585-427-7216
Address: 1555 Jefferson Road,
Rochester, NY 14623

SEM Belgium bv

+32 59 560 270
Schatting 73,
8210 Zedelgem, Belgium

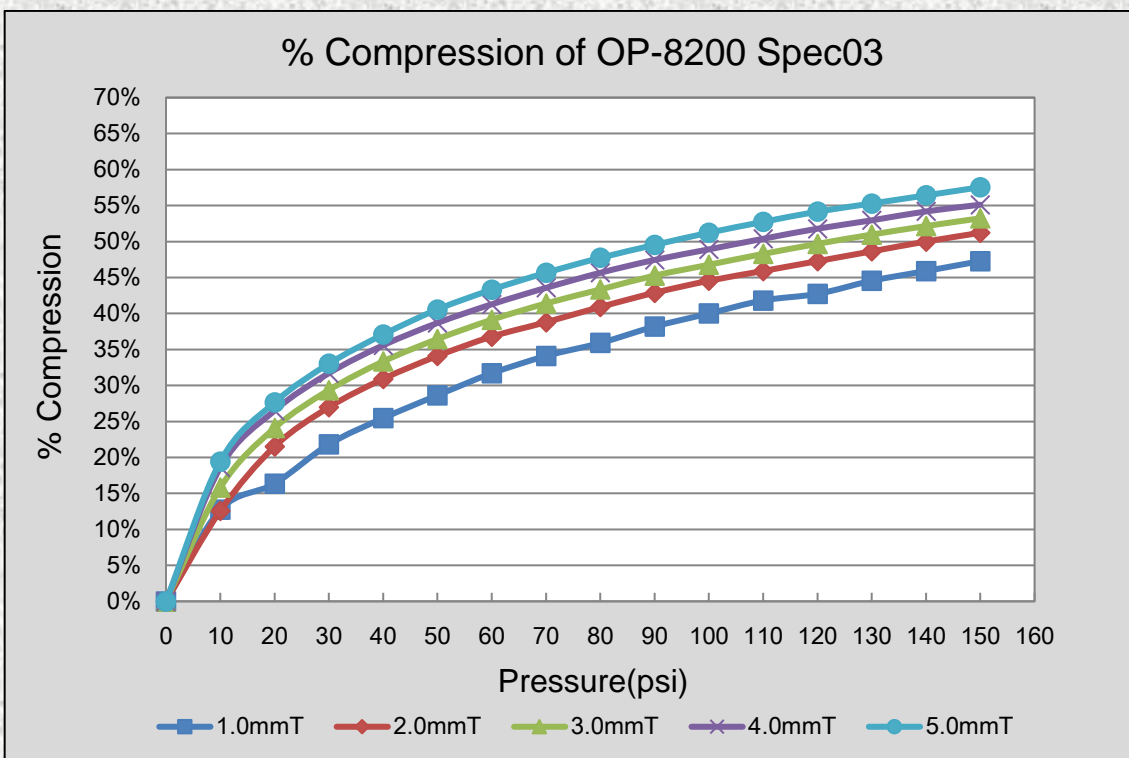
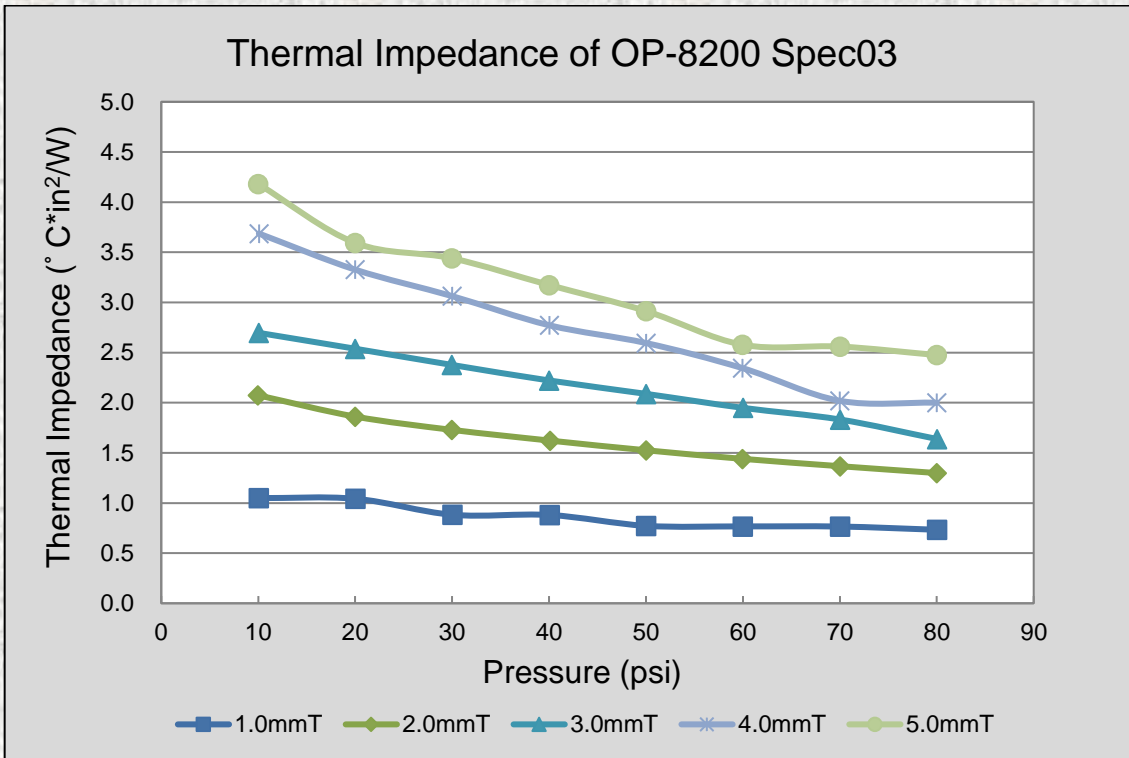
SEM Asia Ltd.

+852 2686 8168
+852 2686 8268
Unit 1, 3/F Block A, New Trade Plaza,
6 On Ping Street, Shatin, N.T., Hong Kong

SEM (Dongguan) Ltd.

+86-769-8334 1628
+86-769-8334 2028
No. 8A Qiaoxin Road, Qiaotou,
Dongguan, Guangdong, China
Postal code 523525

Specifications and appearances may change without notice. All statements, technical information and recommendations herein are based on tests that we believed to be reliable, but the accuracy and completeness are not guaranteed. Before using, user should determine the suitability of the product for its intended use, and the user assumes all risks and liabilities whatsoever in connection therewith. Neither the seller nor the manufacturer shall be liable for any loss or damage, direct, incidental or consequential, including loss of profits or revenues arising from the use or inability to use the product. Any statements or recommendations shall have no effect unless contained in an agreement signed by authorized personnel of the seller and manufacturer.



SEM (North America) Inc.

Tel: +1 585-643-2000
 Fax: +1 585-427-7216
 Address: 1555 Jefferson Road,
 Rochester, NY 14623

SEM Belgium bv

+32 59 560 270
 Schatting 73,
 8210 Zedelgem, Belgium

SEM Asia Ltd.

+852 2686 8168
 +852 2686 8268
 Unit 1, 3/F Block A, New Trade Plaza,
 6 On Ping Street, Shatin, N.T., Hong Kong

SEM (Dongguan) Ltd.

+86-769-8334 1628
 +86-769-8334 2028
 No. 8A Qiaoxin Road, Qiaotou,
 Dongguan, Guangdong, China
 Postal code 523525

Specifications and appearances may change without notice. All statements, technical information and recommendations herein are based on tests that we believed to be reliable, but the accuracy and completeness are not guaranteed. Before using, user should determine the suitability of the product for its intended use, and the user assumes all risks and liabilities whatsoever in connection therewith. Neither the seller nor the manufacturer shall be liable for any loss or damage, direct, incidental or consequential, including loss of profits or revenues arising from the use or inability to use the product. Any statements or recommendations shall have no effect unless contained in an agreement signed by authorized personnel of the seller and manufacturer.