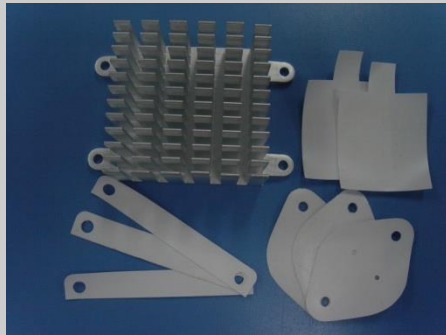


Features and Benefits

- 3.0W/m-K thermal conductivity
- High breakdown voltage
- Tough and high tensile strength
- Electrically Isolating



Typical Applications

- Automotive control units
- Power supply
- Audio and video component
- General high pressure interface

Optional Configurations

- Adhesive coatings are optional
- Can be die-cut into specific dimensions

The OI-2000 Spec01 offers high thermal performance and high dielectric strength. It is suitable for applications where electrical isolating property is needed.

OI-2000 Spec01 has high tensile strength and can prevent surface penetration by sharp intrusion hence, ensuring its electrical isolating properties. OI-2000 Spec01 is ROHS compliant and halogen free.

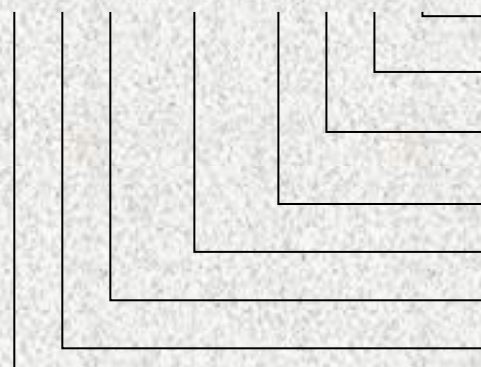
Properties	OI-2000 Spec01	Test Method
Construction & Composition	Reinforced soft silicone elastomer	—
Color	White	Visual
Thickness Range /inch (mm)	0.01~0.03" (0.254~0.762) in 0.01" (0.254) increments	—
Standard Sheet Size	9" x 9"	—
Density /g.cm ⁻³	2.98	—
Hardness /Shore 00	80	ASTM D2240
Tensile Strength /psi	868	ASTM D412
Temperature Range /°C	-40~200°C	—
Thermal Conductivity W.m ⁻¹ .K ⁻¹	3.0	ASTM D5470 (modified)
Breakdown Voltage /V	>6500V (Thickness ≥0.25mm) >7300V (Thickness ≥0.50mm) >8000V (Thickness ≥0.75mm)	ASTM D149
Volume Resistivity /ohm.cm	5.5 x 10 ¹³	ASTM D257
Dielectric Constant @ 1MHz	3.8	ASTM D150
Shelf Life /Months	24	—

Please contact us for other special requirements

Carrier Treatment	Criteria
Fiber Glass (FG)	Compulsory for all thickness
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

OI 20 XX Spec 01 -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
CB = Combination
OT = Other

Spec 01 = Special Derivative #

Thickness (mil)
00 = Custom thickness
01 = 10mil

20 = 2000 Series
OI = OpTIM™ Insulator

SEM (North America) Inc.

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

SEM Belgium bv

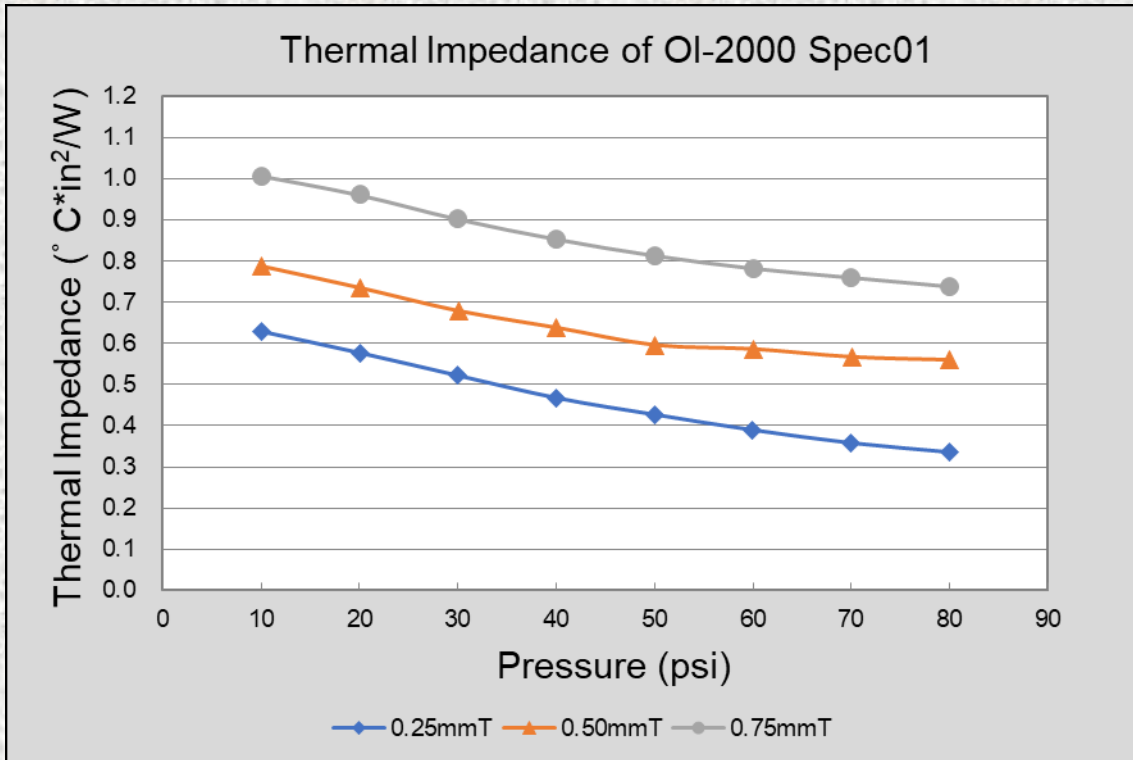
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