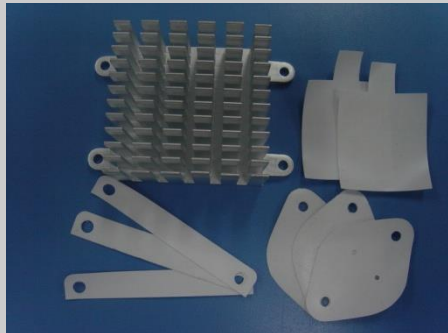


Features and Benefits

- 4.0W/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

- Can be die-cut into specific dimensions

The OI-2000 Spec04 series offers high thermal performance and high dielectric strength. It is suitable for applications where electrical isolating property is needed.

OI-2000 Spec04 has high tensile strength and can prevent surface penetration by sharp intrusion hence, ensuring its electrical isolating properties. OI-2000 Spec04 is ROHS compliant and halogen free, offering extra reassurance in applications where hazardous substances are forbidden.

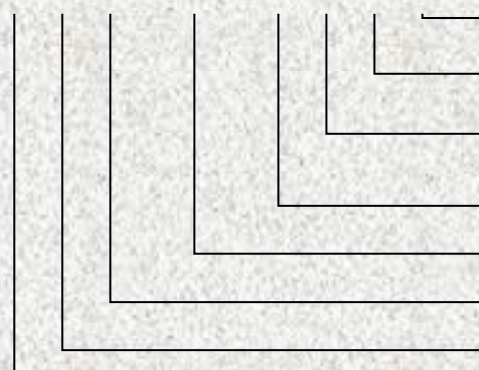
Properties	OI-2000 Spec04	Test Method
Construction & Composition	Reinforced soft silicone elastomer	—
Color	Light grey	Visual
Thickness Range /inch (mm)	0.01~0.03" (0.254~0.762) in 0.01" (0.254) increments	—
Standard Sheet Size	9" x 9"	—
Density /g.cm ⁻³	3.1	—
Hardness /Shore 00	75	ASTM D2240
Temperature Range /°C	-40~200°C	—
Thermal Conductivity W.m ⁻¹ .K ⁻¹	4.0	ASTM D5470 (modified)
Breakdown Voltage /kV	>5.0kV (Thickness ≥0.25mm) >5.5kV (Thickness ≥0.30mm) >8kV (Thickness ≥0.50mm) >11kV (Thickness ≥0.75mm)	ASTM D149
Volume Resistivity /ohm.cm	>5.9 x 10 ¹³	ASTM D257
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 04 -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 04 = 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

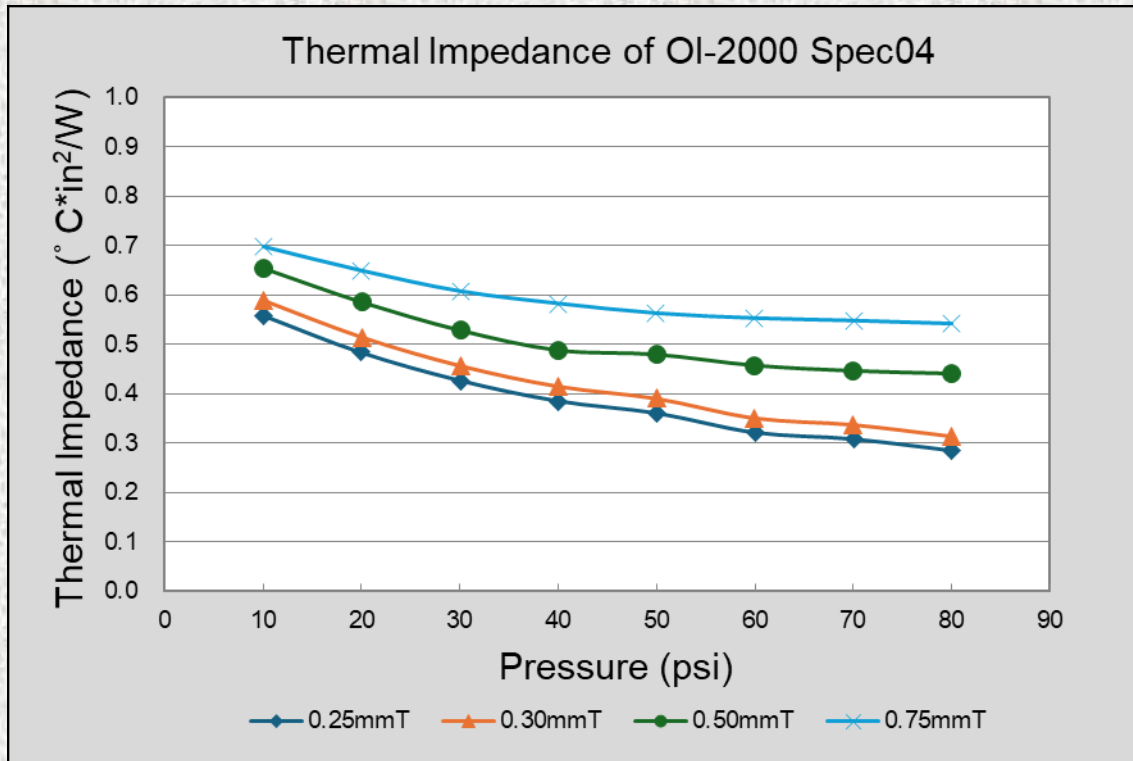
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