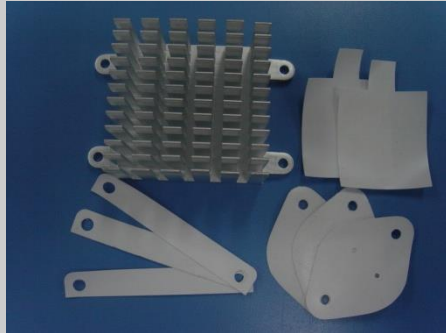


**Features and Benefits**

- 2.0W/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 Spec03 series offers high thermal performance and high dielectric strength. It is suitable for applications where electrical isolating property is needed.

OI-2000 Spec03 has high tensile strength and can prevent surface penetration by sharp intrusion hence, ensuring its electrical isolating properties. OI-2000 Spec03 is ROHS compliant and halogen free, offering extra reassurance in applications where hazardous substances are forbidden.

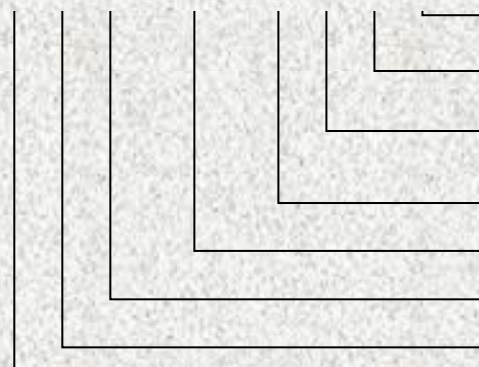
Properties	OI-2000 Spec03	Test Method
Construction & Composition	Reinforced soft silicone elastomer	—
Color	White	Visual
Thickness Range /inch (mm)	0.01~0.03" (0.254~0.762) in 0.01" (0.254) increments	—
Standard Sheet Size	9" x 9"	—
Density /g.cm <sup>-3</sup>	2.58	—
Hardness /Shore 00	80	ASTM D2240
Tensile Strength /psi	868	ASTM D412
Temperature Range /°C	-40~200°C	—
Thermal Conductivity W.m <sup>-1</sup> .K <sup>-1</sup>	2.0	ASTM D5470 (modified)
Breakdown Voltage /kV	>7kV (Thickness ≥0.25mm) >10.5kV (Thickness ≥0.50mm) >13kV (Thickness ≥0.75mm)	ASTM D149
Volume Resistivity /ohm.cm	5.5 x 10 <sup>13</sup>	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 03 -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 03 = Special Derivative #**

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

**20 = 2000 Series**  
 OI = OpTIM™ Insulator

**SEM (North America) Inc.**

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

**SEM Belgium bv**

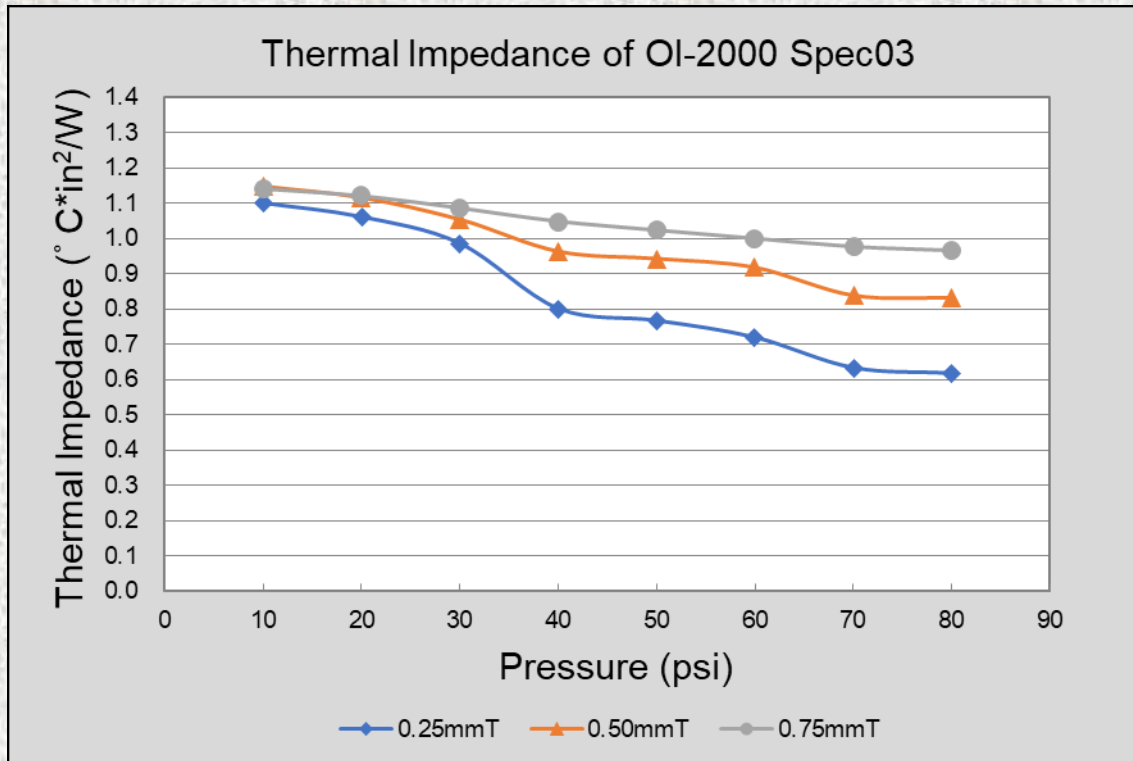
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