

Features and Benefits

- 2.0W/m-K thermal conductivity
- High breakdown voltage
- Tough and high tensile strength
- Electrically Isolating

OI-2000 Spec 02 offers high thermal performance and high dielectric strength. It is suitable for applications where electrical isolating property is needed.

OI-2000 Spec 02 has PI in the middle and can prevent surface penetration by sharp intrusion hence, ensuring its electrical isolating properties. It is compliant to RoHS standard while maintaining its halogen-free status.



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

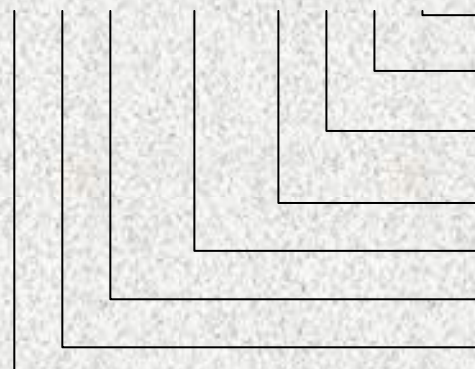
Properties	Typical Data	Test Method
Construction & Composition	Reinforced soft silicone elastomer	—
Color	Pink	Visual
Thickness Range /inch (mm)	0.0086~0.03" (0.22~0.762mm)	—
PI Carrier Thickness/mm	0.04	—
Standard Sheet Size	9" x 9"	—
Density /g.cm ⁻³	2.6	—
Hardness /Shore 00	80	ASTM D2240
UL Flammability Rating	Meet with UL94 V0	—
Temperature Range /°C	-40~200°C	—
Thermal Conductivity W.m ⁻¹ .K ⁻¹	2.0	ASTM D5470 (modified)
Breakdown Voltage /V	>5000	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
Rubberized Cloth (RC)	Not Recommended
Pressure Sensitive Adhesive (PSA)	Optional to all thickness
Detachable Adhesive (DA)	Not Recommended
Aluminum Foil (AL)	Not Recommended
Talc treatment (DAT)	Not Recommended

Product Code and Descriptions

OI 20 XX Spec 02 -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 02 = Special Derivative #

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

20 = 2000 Series

OI = OpTIM™ Insulator

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