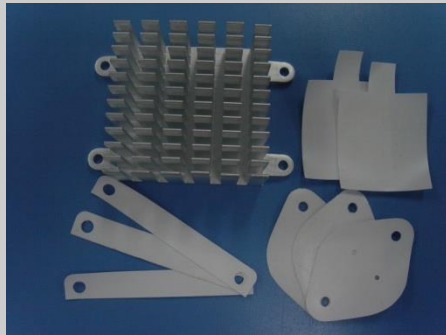


Features and Benefits

- 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.

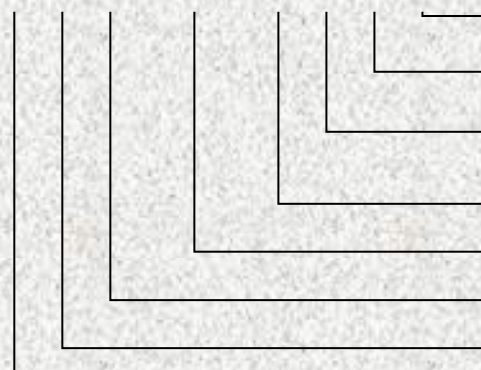
OI-2000 Spec01 has high tensile strength and can prevent surface penetration by sharp intrusion hence, ensuring its electrical isolating properties. OI-2000 Spec01 is ROHS compliant and halogen free.

| 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/mm) | >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 |
|-----------------------------------|------------------------------|
| 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

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