

**Features and Benefits**

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

OP-8400 Spec 10 offers high thermal performance and high dielectric strength. It is suitable for applications where electrical isolating property is needed.

OP-8400 Spec 10 has high tensile strength 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

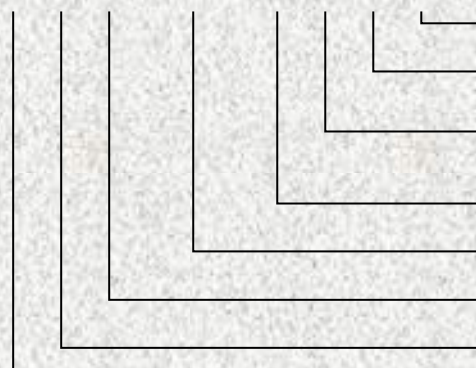
Properties	Typical Data	Test Method
Construction & Composition	Reinforced soft silicone elastomer	—
Color	Pink	Visual
Thickness Range /inch (mm)	0.01~0.03" (0.254~0.762) in 0.01" (0.254) increments	—
Standard Sheet Size	9" x 9"	—
Density /g.cm <sup>-3</sup>	2.7	—
Hardness /Shore 00	80	ASTM D2240
Tensile Strength /psi	868	ASTM D412
UL Flammability Rating	Meet with UL94 V0	—
Temperature Range /°C	-40~200°C	—
Thermal Conductivity W.m <sup>-1</sup> .K <sup>-1</sup>	2.0	ASTM D5470 (modified)
Breakdown Voltage /V	>5000	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 months	—

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**

OP 84 XX Spec 10 -XX -XX -XX -XX



**Dimensions**  
 SS = Standard sheet size  
**Release Liner**  
 ST = Standard  
 OT = Other  
**PSA**  
 A1 = One side  
 A2 = Both sides  
 OT = Other  
**Carrier**  
 FG = Fiberglass  
 RC = Rubberized Cloth  
 CB = Combination  
 OT = Other  
**Spec 10 = Special Derivative #**  
**Thickness (mil)**  
 00 = Custom thickness  
 04 = 40mil  
**84 = 8400 Series**  
**OP = OPTIM™ gap filler**

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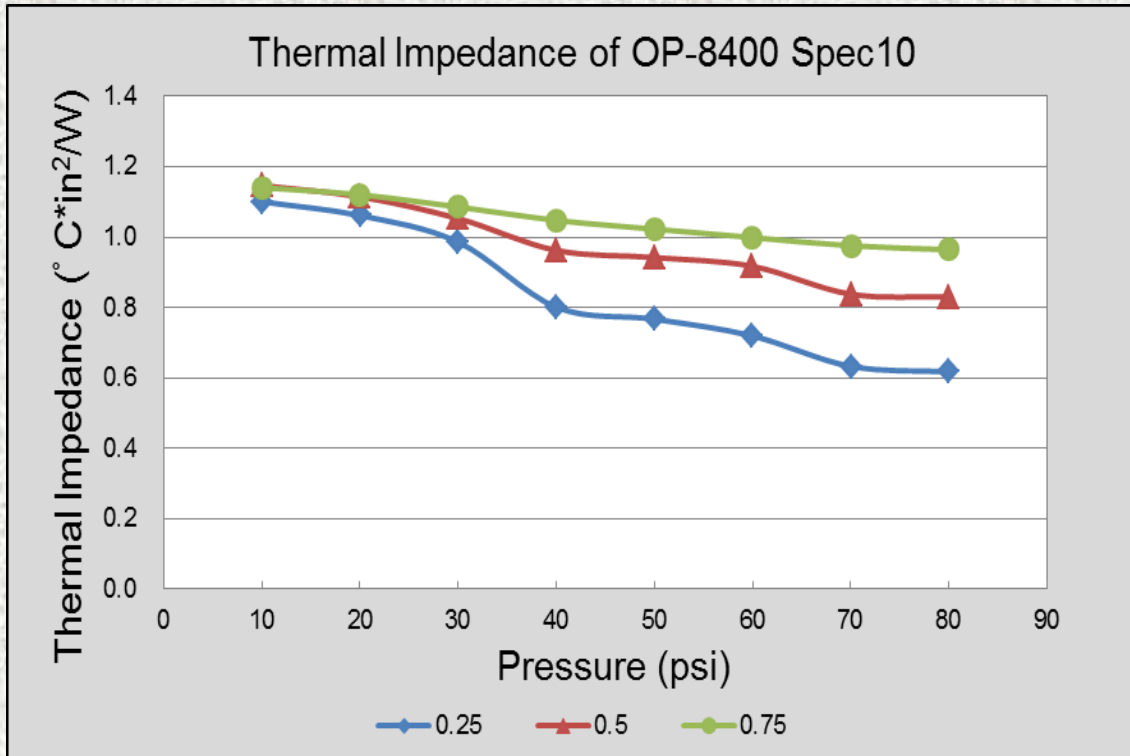
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