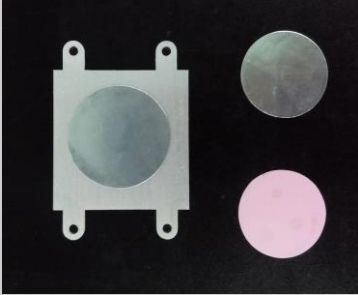


Features and Benefits

- Maximum heat transfer
- Aluminum foil coated on one side
- Designed to replace thermal grease



Typical Applications

- Between a transistor and a heat sink
- Between two large surfaces such as an L-bracket and the chassis of an assembly
- Between a heat sink and a chassis
- Under electrically isolated power modules or devices such as resistors, transformers and solid state relays

Optional Configurations

- Can be die-cut into specific dimensions

OP-8400 Spec 09 is a composite of aluminum foil coated on one side with thermally conductive rubber. The material is designed for those applications in which maximum heat transfer is needed and electrical isolation is not required. OP-8400 Spec 09 the ideal thermal interface material to replace messy thermal grease compounds.

OP-8400 Spec 09 eliminates problems associated with grease such as contamination of reflow solder or cleaning operations. Unlike grease, OP-8400 Spec 09 can be used prior to these operations. OP-8400 Spec 09 also eliminates dust collection which can cause possible surface shorting or heat buildup.

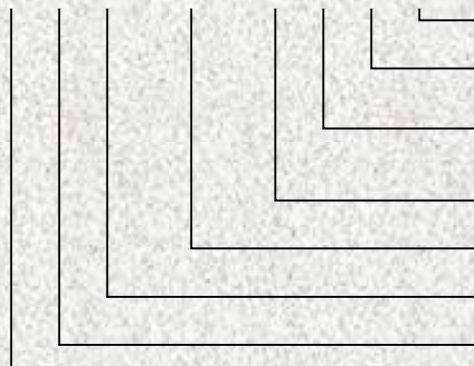
| Properties | Typical Data | Test Method |
|----------------------------------|------------------------------|-----------------------|
| Color | Pink | Visual |
| Thickness Range / (mm) | 0.2~0.5 in 0.1 increments | ASTM D374 |
| Reinforcement Carrier | Aluminium Foil | — |
| Hardness / (Shore 00) | 70 | ASTM D2240 |
| Flame Rating | Meet with UL94 V0 | UL94 |
| Continuous Use Temp / (°C) | -60~200 | — |
| Thermal Conductivity (W/m-K) | 2.5 | ASTM D5470 (modified) |
| Breakdown Voltage / (V) | >400 | ASTM D149 |
| Volume Resistivity / (Ohm-meter) | 10 ² | ASTM D257 |
| Dielectric Constant @ (1000Hz) | NA | ASTM D150 |
| Shelf Life / (Months) | 24 | — |

Please contact us for other special requirements

| Carrier Treatment | Criteria |
|-----------------------------------|---------------------------|
| Fiber Glass (FG) | Not Recommended |
| Rubberized Cloth (RC) | Not Recommended |
| Pressure Sensitive Adhesive (PSA) | Not Recommended |
| Detachable Adhesive (DA) | Not Recommended |
| Aluminum Foil (AL) | Optional to all thickness |
| Kapton (PI) | Not Recommended |
| Talc treatment (DAT) | Not Recommended |

Product Code and Descriptions

OP 84 XX Spec 09 -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 09 = Special Derivative #

Thickness (mil)
00 = Custom thickness
04 = 40mil

84 = 8400 Series
OP = OPTIM™ gap filler

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