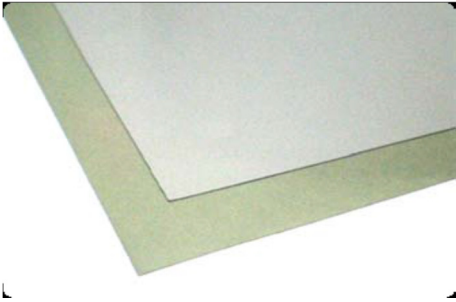


Thermal Silicone Film MSF-3070 Series



AMEC Thermasol MSF-3070 series is an extremely thin thermally conductive ceramic filled Silicone. It is electrically insulating, and with fibreglass reinforcement it provides excellent mechanical strength. Can be supplied in sheets, rolls or die cut parts

Features

- Extremely thin 0.3mm
- 3.0W/mk thermal conductivity
- Fibreglass reinforcement provides excellent mechanical strength for easy handling
- Very high dielectric Strength
- Good chemical resistance

Applications

- Power modules
- AC/DC converters
- Power Diodes
- MOSFETS
- PSU's

| tem | Unit | Value | Standard |
|---------------------------|-------------------------|--------------------|------------|
| Thermal Conductivity | W/mK | 3.0 | ASTM D5470 |
| Thermal Impedance | °C.in ² /W | 0.11 | ASTM D5470 |
| Thickness | mm | 0.3 | - |
| Hardness | Shore 00 | 70 | ASTM D2240 |
| Reinforcement | - | Fibreglass | - |
| Volume Resistance | Ω.cm | 8x10 ¹⁰ | ASTM D257 |
| Breakdown Voltage | kV | >5 | ASTM D149 |
| Thermal Resistance@150PSA | °C-inch ² /W | TBC | ASTM D257 |
| Flammability rating | - | 94 V-0 | UL |
| Operating Temperature | °C | -40~150 | - |
| ROHS | - | Non detected | - |

Part number system:

Series – Thermal Conductivity/Shore Harness-Sheet size

E.g.: MSF-3070-300x250x0.2

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