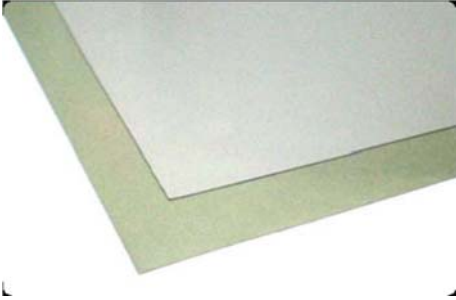


## Thermal Silicone Film MSF-4070/40 Series



AMEC Thermasol MSF-4070/40 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

- 0.38~1.0mm
- 4.0W/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 <sup>2</sup> /W	0.38mm – 0.17 0.5mm – 0.21 1.0mm – 0.43	ASTM D5470
Thickness	mm	0.38, 0.5, 1.0	-
Hardness	Shore 00	70, 40	ASTM D2240
Reinforcement	-	Fibreglass	-
Density	g/cm <sup>3</sup>	2.7	ASTM D792
Volume Resistance	Ω.cm	3.6x10 <sup>11</sup>	ASTM D257
Breakdown Voltage	kV	>5	ASTM D149
Thermal Resistance@150PSA	°C-inch <sup>2</sup> /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-4070-150x300x0.38

### AMEC Thermasol

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