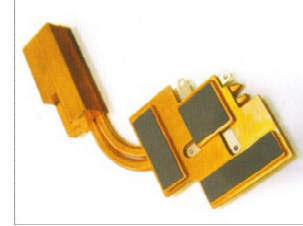


## Silicone Free Thin Film

### MSFT Series

This material is suitable where there are concerns about the use of Silicones. Our Silicone free materials use a ceramic filled Polyurethane. They have a high thermal conductivity with good electrical insulation properties. Available with one side adhesive coating. Can be supplied die-cut to customer specification.



#### PRODUCT APPLICATION

- Medical Applications
- Laser Equipment
- LED's
- Aerospace
- HDD
- Automotive

Specification	MSFT80-XX(-T1)	MSFT90-XX(-T1)
Thermal Conductivity (W/m.k)	1.8	6.0
Thickness (mm)	0.15/0.30	0.10/0.12/0.30
Thermal Resistance (K/W)	0.20	0.09
Thermal Impedance (°C*cm <sup>2</sup> /W)	73	33
Density (g/cm <sup>3</sup> )	2.26	1.46
Break down voltage (kV)	4	4 (0.12 ~ 0.3mm)
Dielectric Break down voltage (kV/mm)	25	25
Tensile Strength (N/mm <sup>2</sup> )	3.0	2.5
Elongation (%)	130	150
Temperature range (°C)	-40~+125	-40~+125
Standard sheet size (mm)	250 x 225	250 x 225
Available with adhesive	1 Side (-T1)	1 Side (-T1)
Colour	Blue	Light Blue

#### AMEC Thermasol

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