

THERMAL CONDUCTIVE FILM – NON-SILICONE

SFT Series

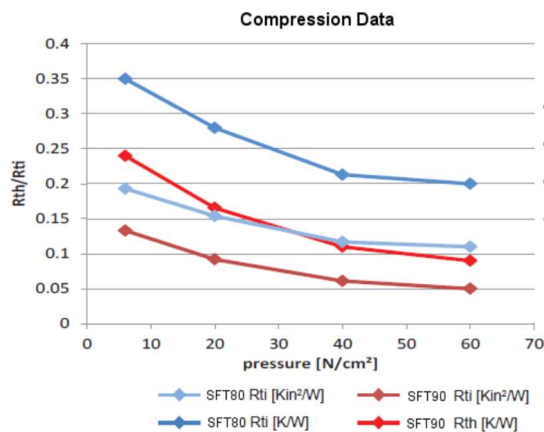
The thermally conductive non-silicone films are suitable where there are concerns about the use of silicones. Our thermally conductive non-silicone films use a ceramic filled polyurethane. They have a high thermal conductivity with good electrical properties. Available with one side adhesive coating. Can be supplied die-cut to customers specification.



PRODUCT APPLICATION

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

Specification	SFT80-XX(-T1)	SFT90-XX(-T1)
Thermal Conductivity (W/m.k)	1.8	6.0
Thickness (mm)	0.12/0.15	0.12/0.15
Thermal Resistance (k/W)	0.20	0.08
Thermal Impedance (°C*cm ² /W)	73.0	33.0
Breakdown Voltage kv	4.0	4.0
Dielectric Breakdown E	25.0	20.0
Volume Resistivity	1.4 x 10 ¹⁴	2.0 x 10 ¹¹
Dielectric loss factor tan δ	1.3 x 10 ⁻²	1.4 x 10 ⁻²
Dielectric constant ε _r	3.2	3.1
Hardness (Shore A)	80 - 90	70 - 85
Tensile Strength N/mm ²	3.0	2.0
Elongation (%)	130	150
Temperature Range °C	-40 to + 125	-40 to + 125
Density g/cm ³	2.26	1.46
Flammability rating	94 V-0	94 V-0
Colour	Blue	Light Blue
Sheet size (mm)	250x225	250x225



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