

THERMAL CONDUCTIVE FILM

series: SFT



- Non-silicone film consisting of ceramic filled polyurethane.
- Thermal conductivity up to 6.0w/mk.
- Can be supplied die-cut to a customer's specification.
- Available with one side adhesive.
- Good electrical insulation properties.
- Typical applications include: medical equipment, laser devices, lighting systems and aero units.

Properties	Unit	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/V)	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	00	250 x 225	250x225

