

## THERMAL CONDUCTIVE FILM

series: P3T



- Super thin thermally conductive silicone film.
- Thermal conductivity up to 4.0w/mk.
- Fiberglass reinforcement provides durability in harsh environments.
- Good contact with uneven surfaces.
- Non-electrically conductive.
- Available with or without adhesive tape.
- Halogen free.
- Typical applications include: medical equipment, laser devices, lighting systems and aero units.

Properties	Unit	P3TF200US	P3TF400US	Standard
Thermal Conductivity	W/m.k	2.0	4.0	ASTM E1530
Hardness	Shore 00	45	45	ASTM D2240
Thickness	Mm	0.25~0.75	0.25~0.75	ASTM D374
Specific Gravity	g/cm <sup>3</sup>	2.3	2.3	ASTM D792
Tensile Strength	kV/mm	58	58	ASTM D412
Elongation	%	12	12	ASTM D412
Volume Resistance	Ω-cm	>10 <sup>12</sup>	>10 <sup>12</sup>	ASTM D257
Insulation Strength	kV/mm	>10	>10	ASTM D149
Dielectric Constant	(ε)	4.3@60Hz 4.1@1kHz 4.1@1MHz	4.3@60Hz 4.1@1kHz 4.1@1MHz	ASTM D150
Flammability	-	94 V-0	94 V-0	UL
Max Temperature Range	°C	-50~200	-50~200	-
Sheet Size	Mm	290x290	290x290	-
Colour	-	Grey	Grey	Visual