

T-P INS 3 AO/A1 - ELECTRICALLY INSULATING INTERFACE MATERIAL WITH HIGH THERMAL PERFORMANCE



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DATASHEET



FEATURES

- High tensile strength, designed to prevent cut through and electrical shorts
- Low Thermal Impedance
- UL94-V0 recognised
- No viscosity, 0.30mm thick
- Adhesive option available (A1)

APPLICATIONS

- SMPS, Telecom Devices, Visual Devices, Networking Products, LCD-TV, Notebook PC's, PC's, ME, Household Applications etc.

PROPERTIES	TEST METHOD	UNIT	T-P-INS 3
Material	-	-	Thermally Conductive Silicon Cloth
Colour	Visual	-	White
Thickness (±10%)	-	-	0.3
Thermal Conductivity	ASTM-D5470	W/mK	3.0
Hardness (+/- 5%)	ASTM-D2240	Shore A	90
Flammability Rating	UL94	-	V0
Breakdown Voltage (1.0mm)	ASTM-D149	kV	≥4.0
Specific Gravity	ASTM-D792	g/cm ³	2.77
Working Temperature	-	°C	-40 - 200
Volume Resistance	ASTM-D257	Ohm-cm	10 ¹¹
Tensile Strength	ASTM-D412-1998A	Mpa	1

THERMAL IMPEDANCE

	10	25	50	100	200
Pressure (psi)	10	25	50	100	200
Thickness (mm)	0.3	0.3	0.28	0.27	0.27
Compression Ration (%)	6.25	6.25	12.5	15.6	15.6
Thermal Impedance (C-in2/W)	0.53	0.4	0.32	0.28	0.26

NOTES

- Customised shapes are available
- The above performance data is tested in an environment of 70% humidity, temperature 25 °C
- This data is intended for reference purposes only. It is recommended that the material is tested to fully evaluate its performance ensuring it is fit for purpose.

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