

T-P INS 2 – ELECTRICALLY INSULATING, THERMALLY CONDUCTIVE INTERFACE MATERIAL

EMI THERMAL

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DATASHEET



T-P INS 2

FEATURES

- High tensile strength, designed to prevent cut through and electrical shorts
- Low Thermal Impedance
- UL94-V0 recognised
- No viscosity, 0.18mm thick
- Naturally tacky on both sides

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 2
Material	-	-	Thermally Conductive Silicon Cloth
Colour	Visual	-	Blue
Thickness (±10%)	-	-	0.2
Thermal Conductivity	ASTM-D5470	W/mK	1.8
Hardness (+/- 5%)	ASTM-D2240	-	75
Flammability Rating	UL94	-	V0
Breakdown Voltage (1.0mm)	ASTM-D149	kV	≥7.5
Specific Gravity	-	g/cm ³	2.34
Working Temperature	-	°C	-40 - 200
Volume Resistance	ASTM-D257	Ohm-cm	10 ¹²
Tensile Strength	ASTM-D412-1998A	Mpa	0.8

THERMAL IMPEDANCE

Pressure (psi)	5	10	15	20	25	30
Thickness (mm)	0.2	0.19	0.19	0.19	0.19	0.19
Compression Ration (%)	0	5	5	5	5	5
Thermal Impedance (C-in2/W)	0.36	0.34	0.33	0.32	0.32	0.31

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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