

T-P INS 0.25 AO/A1 – ELECTRICALLY INSULATING



DATASHEET



FEATURES

- High tensile strength, designed to prevent cut through and electrical shorts
- Low Thermal Impedance
- UL94-V0 recognised
- No viscosity, 0.25mm 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 AO
Material	-	-	Thermally Conductive Silicon Cloth
Colour	Visual	-	Grey
Thickness (±10%)	-	-	0.25
Thermal Conductivity	ASTM-D5470	W/mK	0.8
Hardness (±5)	ASTM-D2240	Shore C	70
Flammability Rating	UL94	-	V0
Breakdown Voltage	ASTM-D149	kV	≥6
Specific Gravity	-	g/cm ³	1.7
Working Temperature	-	°C	-40 - 200
Volume Resistance	ASTM-D257	Ohm-cm	10 ¹⁵

THERMAL IMPEDANCE (0.25MM)

	5	10	15	20	25	30
Pressure (psi)	5	10	15	20	25	30
Thickness (mm)	0.25	0.25	0.24	0.24	0.24	0.24
Compression Ration (%)	3.8	3.8	3.7	3.7	3.7	3.7
Thermal Impedance (°C-in ² /W)	1.01	0.97	0.91	0.87	0.84	0.82

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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