

# T-P INS 3 A0/A1 – Electrically Insulating Interface Material with High Thermal Performance

## DATASHEET



T-P INS 3 A0/A1

### 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 A0/A1
Colour	-	-	White
Carrier	-	-	Fiberglass
Thickness (±10%)	ASTM-D374	mm	0.30
Thermal Impedance	ASTM-D5470	°C in <sup>2</sup> /W	0.16
Specific Gravity (±0.2)	ASTM-D792	g/cm <sup>3</sup>	2.77
Thermal Conductivity	ASTM-D5470	W/mK	3.0
Volume Resistance	ASTM-D257	Ohm-cm	10 <sup>11</sup>
Breakdown Voltage	ASTM-D149	kV/AC	≥4
Dielectric Constant (1Ghz)	ASTM-D150	Vac	7.0
Tensile Strength	ASTM-D412	MPa	≥1.0
Hardness (±10)	ASTM-D2240	Shore A	90
Flammability Rating	UL94 IEC 60695-11-10	-	UL94-V0
Working Temperature	EN344	°C	-40 to 200

#### Note:

1. Customised shapes are available;
2. The above performance data is tested in an environment of 70% humidity, temperature 25°C.
3. 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.
4. Use of an adhesive (A1) may affect thermal conductivity stated above.

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Published:  
19/07/2019

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