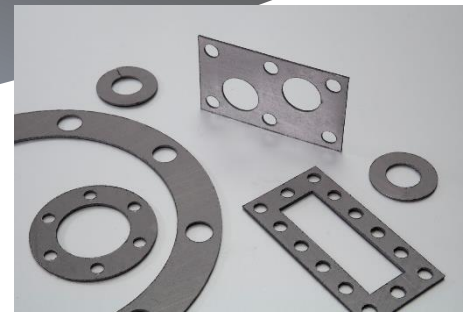


T-Pad 3000

Thermally Conductive Electrically Isolating Pad



T-pad 3000 is a highly durable pad, formulated to thermally connect hot electronic devices to a cold wall or nearby metal work whilst also maintaining electrical insulation. The cold flow action of **T-Pad 3000** and its soft surfaces on both sides, deliver a good thermal wet out between mating surfaces, this obviates micro air voids for reduced thermal resistance and improved thermal performance. **T-Pad 3000** can be supplied in die-cut shapes for use in a wide range of electronic applications.

Features

- Electrically insulating and moderate thermal performance properties
- Thermal conductivity = 3.0 W/mK
- Requires mounting pressure via spring, metal clip or clamp

Availability

- Standard thickness of 0.23mm
- Available as custom die-cut shapes and standard sheet sizes of 200mm x 400mm
- Available in roll format to specified width, custom shape adhesive parts can also be supplied on rolls
- Low tack adhesive can be coated on one side

Benefits

- Guaranteed electrical isolation
- Fills micro air voids between device and mating metal work at the interface. Improving thermal performance
- Maintains temperature stability over a wide range of temperatures

Recommended Uses

- Any heat generating surface to metal that requires good thermal performance and electrical insulation
- Cooling power devices mounted to a heatsink or chassis in PSUs
- Thermally coupling TO220 and TO247 devices to heatsinks


Typical Physical Properties

Property (unit)	Test Method	T-Pad 3000
Colour	Visual	Grey
Thermal Conductivity (W/mK)	ASTM D5470	3.0
Hardness (Shore A)	ASTM D2240	50
Thermal Impedance (K-cm ² /W @ 69KPa)	ASTM D5470	1.70
Operating Temp. (°C)	-	-40 to +200
Flame Rating	UL94	V-0

Electrical and Mechanical Information

Property (unit)	Test Method	T-Pad 3000
Tensile Strength (N/mm)	ASTM D412	26
Elongation (%)	ASTM D412	30
Breakdown Voltage (Volts AC)	ASTM D149	>4000
Volume Resistivity (Ω-cm)	ASTM D257	2.0 x 10 ¹³



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This material is often used in these industries:

