

Bondline 200

Thermal Adhesive Tape



Bondline 200 is a thermally conductive double-sided structural adhesive tape formulated to fix two surfaces together that require excellent thermal connection and a strong bond. For effective heat transfer **Bondline 200** is constructed from a thin metal foil, coated with thermal adhesive on each side delivering a non-electrically isolating connection. **Bondline 200** delivers a permanent bond and reduces thermal resistance by filling micro-air voids at the interface.

Features

- Consists of a thin metal foil which boosts thermal heat transfer at the interface
- Micro-air voids between connecting surfaces are minimised
- Delivers a non-electrically isolating structural bond

Availability

- Available in a standard thickness of 0.16mm
- Supplied on 33m rolls to specified widths on request
- Available as custom kiss-cut parts on rolls for starboards and as die-cut custom shapes

Typical Physical Properties

Property (unit)	Test Method	Bondline 200
Colour	Visual	Light Grey
Thermal Conductivity (W/mK)	ASTM D5470	0.30
Thermal Resistance (°C-cm ² /W)	ASTM D5470	0.56
Operating Temp (°C)	In House	-20 to +150

Benefits

- Most cost effective thermal adhesive tape
- Offers a quick and simple bonding solution for metal backed PCBs to a heatsink
- Good thermal conductivity combined with exceptional thermal performance

Recommended Uses

- Bonding LED metal backed PCB's to a heat sink for a fixing-free look
- Coupling any metal to metal surfaces
- To connect power supplies or power converters to heatsinks

Mechanical and Other Properties

Property (unit)	Test Method	Bondline 200
Flammability	UL94	HB
Peel Strength (N/mm)	ASTM 412	>54
Tensile Strength (N/mm)	ASTM 412	>370
Elongation (%)	ASTM 412	8
Shelf Life (months)	In House	6



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