



## 15-Vhpb12

## Thermally Conductive Vhpb Tape

### Product Description

15-Vhpb12 is a thermally conductive acrylic foam tape. Part of our Very High Performance Bond range, its thermally conductive properties are designed to offer superior transfer of heat from component to heat sinks. Its Vhpb bond strength makes it the preferred choice for bonding and mounting components and light strips to heat-sinks.

Product Features	Vhpb adhesive properties provide excellent strength for components Suitable for outdoor use Conformable foamed acrylic carrier for improved surface contact	
Carrier	Foamed Acrylic Transfer	
Carrier loading	Thermally conductive filler	
Density	1500 kg/m <sup>3</sup>	
Adhesive Type	Very High Performance Bond (Vhpb)	
Total Thickness	0.25mm	
Adhesive Tape Colour	White	
Release Liner	Red PE	
Surface Resistance (ASTM D-257)	5.0 Ω/cm (12.7 Ω/in) (x10 <sup>14</sup> )	
Volume Resistivity (ASTM D-257)	2.0 Ω/cm (5.08 Ω/in) (x10 <sup>13</sup> )	
Dialectric Breakdown Voltage (TEC-60243-1)	3.75 kV	
Dialectric Strength (TEC-60243-1)	15 kV/mm (381 volts/in)	
Thermal Conductivity (TCi)	0.6 W/(m/K) (0.347 Btu/(ft/hr/°F))	
Peel Adhesion (180°)	1200 g/cm <sup>2</sup>	ASTM D-3330
Tensile Strength	9000 g/cm <sup>2</sup>	ASTM D-897
Dynamic Shear (20min)	>5000 hours	ASTM D-1002
Dynamic Shear (72 hours)	>8000 hours	ASTM D-1002
Elongation	300%	
Continuous Temp. Range	-30°C to +100°C	
Minimum Application Temp.	+15°C	
Available Widths	3mm – 400mm	
Available Formats	Logs, Rolls, Sheets, Discs, Pads, Die-cut Shapes	
Shelf Life	1 Year stored at 21°C, 50% RH and out of direct sunlight	
Common uses (not limited too)	Bonding heat generating components to heat sinks or other cooling devices. Mounting LED light strips and units. Replacement of thermal grease and mechanical fixtures. For use within chip on board assemblies, LED/PDP Modules, LED Signage, backlit TV units and components within desktop, laptop and other hand held devices	

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