

**15-VHPB TC120**

**THERMALLY CONDUCTIVE VHPB TAPE**

**PRODUCT DESCRIPTION**

1.20mm thermally conductive acrylic foam tape which provides superior heat transfer for LED units and electronic components. Part of the very high-performance bond range.

**PRODUCT FEATURES**

Thermally conductive acrylic foam tape. Designed to offer superior transfer of heat from component to heat sinks. Conformable foamed acrylic carrier for improved surface contact. Available in other thicknesses up to 1.2mm.

Main applications include:  
 Bonding & mounting components & LED light strips to heat-sinks. Bonding heat generating components to heat sinks or other cooling devices.  
 Replacement of thermal grease & mechanical fixtures. Chip on board assemblies, LED/PDP Modules, LED. Signage, backlit TV units, components within desktop, laptop & hand held devices.

**CARRIER**

Foamed Acrylic Tape

**ADHESIVE TAPE COLOUR**

White

**DENSITY**

1500 kgm<sup>3</sup>

**ADHESIVE TYPE**

Thermally Conductive Vhpb

**TOTAL THICKNESS [ASTM D-1000]**

1.20mm

**RELEASE LINER**

White Paper

**PEEL ADHESION**

Very High

**SHEAR STRENGTH**

Very High

**SURFACE RESISTANCE [ASTM D-2571]**

5.0 x 10<sup>14</sup> Ω




**THERMAL CONDUCTIVITY**

1 W/(m.K)

**VOLUME RESISTANCE [ASTM D-2571]**

2.0 x 10<sup>13</sup> Ω/cm

The information given is believed to be reliable and typical, but should only be used as a guide. The buyer shall satisfy himself prior to ordering that the product is suitable for the purpose for which the buyer requires it. Should the product subsequently prove to be unsuitable Tecman Speciality Materials Ltd shall not be held liable for any consequential damage or loss incurred. All goods are sold in accordance with our standard trading Terms and Conditions, of which a copy is available on request

|  |   |                         |
|--|---|-------------------------|
| Berrington House,<br>Berrington Road,<br>Leamington Spa,<br>Warwickshire<br>CV31 1NB |  | +44 (0) 1926 337466     |
|  |  | sales@tecmanuk.com      |
|  |  | http://www.tecmanuk.com |






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| <b>DIELECTRIC BREAKDOWN VOLTAGE [IEC-60243-1]</b> | 18 kV  |
| <b>DIELECTRIC STRENGTH [IEC-60243-1]</b>          | 15 kV/mm   |
| <b>SHORT TERM (4HR, 100G) [ASTM D-3654]</b>       | 160°C  |
| <b>LONG TERM (10,000MIN, 250G) [ASTM D-3654]</b>  | 100°C  |
| <b>MINIMUM APPLICATION TEMP.</b>                  | 15°C   |
| <b>AVAILABLE WIDTHS</b>                           | 3mm - 400m   |
| <b>AVAILABLE FORMATS</b>                          | Logs, rolls, sheets, discs, pads, and die-cut shapes       |
| <b>SHELF LIFE</b>                                 | 1 year stored at 21 °C, 50 % RH and out of direct sunlight |

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