



## Technical Data –VST7064W

V2.0 10.07.18

A thermally conductive tape with excellent bonding properties.

Ideal for use on LED and electronic applications.

### Product description

- Foamed Acrylic Tape
- Colour: White
- Soft, tacky and conformable

### Construction

- Red PE Liner
- Acrylic adhesive
- Available in log rolls or cut to specific widths



| Item                                          | Unit              |                    | Spec.                  |                         | Test method                                 |
|-----------------------------------------------|-------------------|--------------------|------------------------|-------------------------|---------------------------------------------|
| <b>Thickness</b>                              | mm                | in                 | 0.64                   | 0.0025                  | -                                           |
| <b>Density</b>                                | kg/m <sup>3</sup> | lb/ft <sup>3</sup> | 1500                   | 94                      | -                                           |
| <b>180° Peel Strength</b>                     | g/25mm            | lb/in              |                        |                         | ASTM-D-3330<br>(Stainless steel, room temp) |
| Stainless steel                               |                   |                    | 2100                   | 4.7                     |                                             |
| Aluminium                                     |                   |                    | 800                    | 1.8                     |                                             |
| Copper                                        |                   |                    | 1200                   | 2.7                     |                                             |
| <b>Tensile Strength</b><br>(T-Block Test)     | g/cm <sup>2</sup> | lb/in <sup>2</sup> | 8400                   | 119                     | ASTM-D-897<br>(Aluminium, room temp)        |
| <b>Dynamic Shear</b>                          | g/cm <sup>2</sup> | lb/in <sup>2</sup> |                        |                         | ASTM D-1002<br>(After 24 hrs, room temp)    |
| Stainless steel                               |                   |                    | 5000                   | 71                      |                                             |
| Aluminium                                     |                   |                    | 4000                   | 57                      |                                             |
| Copper                                        |                   |                    | 4500                   | 64                      |                                             |
| <b>Temperature Resistance</b><br>(Short Term) | °C                | °F                 | 160                    | 320                     | -                                           |
| <b>Temperature Resistance</b><br>(Long Term)  | °C                | °F                 | 100                    | 212                     | -                                           |
| <b>Low Temp. Resistance</b>                   | °C                | °F                 | -40                    | -40                     | -                                           |
| <b>Surface resistance</b>                     | Ω/cm              | Ω/in               | 5.0 x 10 <sup>14</sup> | 12.7 x 10 <sup>14</sup> | ASTM D-257                                  |
| <b>Volume resistivity</b>                     | Ω/cm              | Ω/in               | 2.0 x 10 <sup>13</sup> | 5.08 x 10 <sup>13</sup> | ASTM D-257                                  |
| <b>Dielectric Breakdown</b>                   | kV                | -                  | 9.6                    | -                       | IEC-60243-1                                 |
| <b>Dielectric strength</b>                    | kV/mm             | kV/in              | 15                     | 381                     | IEC-60243-1                                 |
| <b>Thermal conductivity</b>                   | W/(m.K)           | -                  | 1                      | -                       | TCi                                         |
| <b>UV Resistance</b>                          | -                 | -                  | Good                   | -                       | -                                           |

### Note

Unless stated otherwise all values given are average. All of the tapes in our range should be thoroughly tested on the substrates in the particular application they are intended for. Hi-Bond Tapes Ltd. will not be responsible for product failure unless full testing has been completed. The customer has to decide on the tapes suitability for the intended application.