



## Technical Data – VST7120W

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	1.2	0.047	-
<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
Stainless Steel			1600	3.6	
Aluminium			800	1.8	
Copper			1200	2.7	
<b>Tensile Strength</b> (T-Block Test)	g/cm <sup>2</sup>	lb/in <sup>2</sup>	8400	119	ASTM-D-897 (Aluminium, room temp)
<b>Dynamic Shear</b>	g/cm <sup>2</sup>	lb/in <sup>2</sup>			ASTM D-1002 (After 24 hrs, Room temp)
Stainless Steel			4500	64	
Aluminium			3000	43	
Copper			3500	50	
<b>Temperature Resistance</b> (Short Term)	°C	°F	160	320	-
<b>Temperature Resistance</b> (Long Term)	°C	°F	100	212	-
<b>Low Temp. Resistance</b>	°C	°F	-40	-40	-
<b>UV Resistance</b>	-	-	Good	-	-
<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	-	18	-	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

### 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.