

# 3M

## VHB™ Acrylic Foam Tapes

5925·5952·5962

### Product Information

June 2012

<b>Description</b>	3M VHB™ Acrylic Foam Tapes 5925, 5952 and 5962 are double coated pressure sensitive adhesive tapes for bonding a wide variety of substrates including lower surface energy materials such as powder coated paint and plastics. The foam is conformable to increase contact with surfaces.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Excellent adhesion to most surfaces</li> <li>• Flexible to conform to irregular surfaces</li> <li>• Cushions and damps vibration</li> <li>• Joins, seals and mounts many irregular shaped materials</li> <li>• For interior and exterior use</li> </ul>

### Physical Properties/Typical Performance Characteristics\*

Tape carrier	Conformable acrylic foam (closed cell)	
Adhesive	Acrylic	
Tape colour	Black	
Tape Thickness	5925	0.64mm
	5952	1.1mm
	5962	1.6mm
Liner	Red polyethylene film	
Foam density	5925, 5952	590kg/m <sup>3</sup>
	5962	640kg/m <sup>3</sup>
90° Peel adhesion	5925	300N/100mm
	5952, 5962	385N/100mm
Normal Tensile	620kPa	
Dynamic shear	5925	620kPa
	5952, 5962	550kPa
Static Shear	22° C	1000g
	66° C	500g
	93° C	500g
	121° C	250g
Temperature Resistance	Short term	149°C
	Long term	121°C
UV resistance	Excellent	
Solvent resistance	High	

\*Not recommended for specification purposes

### Test Methods

90° Peel Adhesion: Stainless Steel, 72 hours dwell, Peel speed 305mm/min

Normal Tensile: Stainless Steel, 6.45cm<sup>2</sup>, 72 hours dwell, Jaw speed 50mm/min

Dynamic Shear: Stainless Steel, 6.45cm<sup>2</sup>, 72 hours dwell, Jaw speed 12.7mm/min

Static shear: Weight (grams) that 3.23cm<sup>2</sup> will hold 10,000 minutes (7 days)

<b>Format</b>	Available in: 12.7mm x 33m rolls 19mm x 33m rolls 25.4mm x 33m rolls
<b>Application Technique</b>	<ul style="list-style-type: none"> <li>• Apply between 10°C and 40°C.</li> <li>• Ensure surfaces to be bonded are clean, dry and well unified.</li> <li>• Most substrates can be cleaned by wiping (in one direction) with a 50/50 IPA/Water mixture.</li> <li>• Where heavy grease or oils are present, 3M Citrus Cleaner or White Spirits should be used to remove the grease. This should always be followed by a wipe with the IPA/Water mixture to remove any residue.</li> <li>• Abrasion or scuffing may enhance adhesion by increasing the surface area. Always follow with a wipe with IPA/Water to remove any residue.</li> <li>• Firm application pressure helps develop better adhesive contact and improves bond strength.</li> </ul>
<b>Application ideas</b>	<ul style="list-style-type: none"> <li>• Bond pre-painted metals in truck and trailer assembly</li> <li>• Attaching signs, nameplates and plaques</li> <li>• Bond and seal plastic windows to pre-painted control panels</li> <li>• Attaching stiffeners to panels</li> </ul>
<b>Testing</b>	Always test the suitability of the product for your application before use.
<b>Shelf life</b>	Store in a dry location out of direct sunlight and away from all sources of heat. Ideal conditions are 20°C and 50% relative humidity. Use within 24 months from date of manufacture.
<b>Health and Safety Information</b>	This product is an “article” and does not require a Material Safety Data Sheet. However MSDSs have been produced for most articles and may be accessed by going to <a href="http://www.3m.com/msds">www.3m.com/msds</a> and entering the product number or 3M stock number. Alternatively, contact 3M Customer Services.
<b>Further information</b>	Further information is available at <a href="http://www.3m.com">www.3m.com</a> or by contacting 3M Customer Services on Free Phone 0800 474 787 or Free Fax 0800 508 980.
<b>Note</b>	The user is responsible for determining whether the 3M product, surface preparation, and method of assembly are suitable for their particular purpose. Failure to determine the suitability of all factors involved in the application may result in bond failure.



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