



Scotch-Mount™

9540 Double Coated Polyethylene Foam Tape

Product Data Sheet

Updated : April 2003
Supersedes: New

Product Description

9540 is a White Double Coated Polyethylene Foam Tape with Acrylic Adhesive.

The acrylic adhesive that provides good initial tack and adhesion to a wide variety of surfaces.

Physical Properties

Not for specification purposes

Adhesive Type	Acrylic	
Adhesive Carrier	Crosslinked Polyethylene Foam	Foam Density 67 kg/m ³
Thickness (ASTM D-3652) Nominal Tolerance Release Liner	1.6 mm 1.4 - 2.0 mm 0.08 mm	
Release Liner	White Paper	
Tape Colour	White	
Shelf Life	24 months from date of manufacture by 3M when stored in the original carton at 21°C (70°F) & 50 % Relative Humidity	

Performance

Characteristics

Not for specification purposes

Peel Adhesion To Stainless Steel, Room Temperature. 90° Angle Peel 12 in./min. Jaw Speed (308 mm/min.) 72 hour Dwell ASTM D-3330	16 N/10mm Width	
Static Shear Strength weight held for 100 hours to stainless steel with ½ sq in (3.23 sq cm) overlap	1000g at 22°C	
Dynamic Shear 1 in. ² (6.45 cm ²) overlap. Jaw Speed 0.5 in./min. (12.7 mm/min). ASTM D-1002	32 N/cm ²	
Temperature Performance (°C) (Minutes/Hours) (Days/Weeks)	100 °C 80 °C	
U.V. Resistance	No apparent degradation when exposed for seven days in U.V. chamber.	
Solvent Resistance Splash testing cycle - 20 seconds, submersion 20 seconds, airdry 3 cycles.	No apparent degradation when exposed to splash testing of most hydrocarbon solvents.	
Cold Flex at -30°C	No cracking when flexed around a 6.4mm mandrel.	

Application Techniques	<p>1. Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure develops better adhesive contact & thus improves bond strength.</p> <p>2. To obtain optimum adhesion, the bonding</p>	<p>surfaces must be clean dry and well unified. A typical surface cleaning solvent is isopropyl alcohol. Use proper safety precautions for handling solvents.</p> <p>3. Ideal tape application temperature range is 21°C to 38°C .</p>	<p>Initial tape application to surfaces at temperatures below 10°C is not recommended because the adhesive becomes too firm to adhere readily. However once properly applied low temperature holding is generally satisfactory.</p>
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Applications	<p>The foam construction makes these products ideal for many joining, mounting, gasketing and sealing applications involving irregular surfaces.</p> <p>9540 tape is specially formulated for more demanding indoor and moderate outdoor general purpose mounting and joining applications.</p>	<p>Application ideas for this tape includes:</p> <p>Signs, Nameplates & Plaques. Point of Purchase and other Displays. Plastic Hooks, Racks & Dispensers. Wire and Cable Clips. Appliance, Display Case & Electronic Equipment Trim.</p>
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Values presented have been determined by standard test methods and are average values not to be used for specification purposes. Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications. This is because 3M cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations.



Tapes & Adhesives

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