



# 9080 - High Performance Non-woven Double Coated Tape

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## Product Data Sheet

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Supersedes: New

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### Product Description

9080 is a double coated acrylic adhesive on a non-woven tissue carrier. It has a very high level of initial tack and good adhesion to a wide variety of surfaces including LSE materials.

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### Physical Properties

Not for specification purposes

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| <b>Adhesive Type</b>                                     | Acrylic  |  |
| <b>Carrier</b>   | Non-woven tissue   |  |
| <b>Thickness (ASTM D-3652)</b><br>Tape<br>Liner<br>Total | 0.160 mm (160µm)<br>0.160 mm (160 µm)<br>0.320 mm (320µm)  |  |
| <b>Release Liner</b>                                     | White polycoated paper with 3M logo  |  |
| <b>Tape Colour</b>                                       | White  |  |
| <b>Shelf Life</b>  | 12 months from date of despatch by 3M when stored in the original carton at 21°C (70°F) & 50 % Relative Humidity |  |

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### Performance

#### Characteristics

Not for specification purposes

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| <b>Adhesion to Stainless Steel</b><br>ASTM D 3330  | 7.5 N/cm   |  |
| <b>Static Shear Resistance</b><br>ASTM D 3654  | 500g , 6.4cm <sup>2</sup> gives<br>10,000 min+; @ R.T. |  |
| <b>Temperature Performance</b><br>Max : Minutes / Hours<br>Max : Days / Weeks<br>Minimum | 120°C<br>90°C<br>-30°C                                 |  |
| <b>Solvent Resistance</b>  | Good   |  |

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### Application Techniques

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| <p>1. Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure develops better adhesive contact &amp; thus improves bond strength.</p> | <p>2. To obtain optimum adhesion, the bonding surfaces must be clean dry and well unified. A typical surface cleaning solvent is isopropyl alcohol &amp; water. Use proper safety precautions for handling solvents.</p> | <p>3. Ideal tape application temperature range is 21°C to 38°C (70°F to 100°F). Initial tape application to surfaces at temperatures below 10°C (50°F) 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

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| <p>9080 is well suited to bonding together a wide variety of similar and dissimilar materials such as wood, metals, glass, papers, paints, and many plastics and fabrics.</p> | <p>It shows a high level of adhesion to LSE materials such as Polypropylene and some Polyethylenes as well as coated papers and varnishes.</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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