



# 9084 Non-woven Double Coated Tape

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## Product Data Sheet

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Supersedes : April 2004

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### Product Description

9084 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 materials.

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### Physical Properties

Not for specification purposes

<b>Adhesive Type</b>	Acrylic
<b>Carrier</b>	Non-woven tissue
<b>Thickness (ASTM D-3652)</b>	
<b>Tape</b>	0.100 mm (100µm)
<b>Liner</b>	0.075 mm (70µm)
<b>Total</b>	0.170mm (170µm)
<b>Release Liner</b>	Buff Siliconised Paper
<b>Tape Colour</b>	Neutral
<b>Shelf Life</b>	24 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

<b>Adhesion to Stainless Steel</b> ASTM D 3330	8.0 N/cm
<b>Temperature Performance</b>	
<b>Max: Minutes / Hours</b>	80°C
<b>Max: Days / Weeks</b>	65°C
<b>Minimum</b>	-30°C
<b>Solvent Resistance</b>	Good

### Additional Techniques

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.
2. To obtain optimum adhesion, the bonding surfaces must be clean dry and well unified. A typical surface cleaning solvent is isopropyl alcohol & water. Use proper safety precautions for handling solvents.
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.

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### Applications

9084 is well suited to bonding to wide variety of materials, such as papers, paints and many plastics and fabrics. It is particularly suitable for temporary holding or use as a figging aid.

For applications that require constant high levels of shear load and environmental performance then 3M 9086, 9087 or 9088 should be evaluated in preference to 9084. Datasheets for these products are available from 3M.

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