



920XL and 970XL Extended Liner Transfer Tape

Product Data Sheet

Updated : February 1996
Supersedes : October 1993

Product Description	920XL Extended Liner Transfer Tape	This acrylic pressure sensitive adhesive system features high initial adhesion to a wide variety of materials and good shear holding power.	The protective liner is repeat-printed with the words "REMOVE TO EXPOSE ADHESIVE".
	970XL Reverse Wound Extended Liner Transfer Tape for use with 3M 'LTG' Tape Dispenser.		

Physical Properties Not for specification purposes

Adhesive Type	Medium-firm Acrylic	3M ref : A-50
Thickness (ASTM D-3652) Tape Liner Total	25 µm 65 µm 90 µm	
Release Liner	White Paper Red Print	
Tape Colour	Clear	
Shelf Life	12 months from date of despatch by 3M when stored in the original carton at 21°C (70°F) & 50 % Relative Humidity	

Performance Characteristics Not for specification purposes

Adhesion to Stainless Steel ASTM D-3330	2.2 N/10mm	
Shear Resistance	Medium	
Temperature Performance Max : Minutes / Hours Max : Days / Weeks Minimum	120 °C 80 °C -30 °C	
Solvent Resistance	High.	
UV Light Resistance	Excellent.	

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Additional Product Information

The adhesive will not bleed into most paper stocks, thus minimising possible discolouration of coloured posters, business forms, etc.

The extended liner provides a dry edge on each side of the tape for easy removal. Liner extension is 1.6 mm on each side which decreases adhesive coating 3.2 mm overall.

Application 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. 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.

Applications

A-50 adhesive is especially suited for adhesion to paper materials but also works well on many other surfaces.

Pressure sensitive edges for posters and point of purchase sale advertising.

Mounting of novelty items, photographs, note pads etc.

Pressure sensitive edging on business forms.

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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.



Specialty Tapes & Adhesives

3M United Kingdom PLC
3M House,
28 Great Jackson Street,
Manchester,
M15 4PA

Customer Service :
Tel 0161 236 8500
Fax 0161 237 1105

3M Ireland
3M House, Adelphi Centre,
Upper Georges Street,
Dun Laoghaire, Co. Dublin,
Ireland

Customer Service :
Tel (01) 280 3555
Fax (01) 280 3509

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