851 Greenback Printed Circuit Board Tape

Product Data Sheet

Updated : March 1996
Supersedes : October 1993

Product Description

A green polyester film tape with a special conformable adhesive which resists plating bath chemicals.

Physical Properties
Not for specification purposes

Adhesive Type	Special blend of Silicone and Rubber	
Backing	Transparent polyester	
Thickness (ASTM D-3652)	100 µm	
Tape Colour	Translucent green	
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	2.7 N/10mm	
Tensile Strength ASTM D-3759	36.8 N/10mm	
Elongation at Break ASTM D-3759	56 %	
Temperature Range Maximum	90 °C	

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Additional Product Information	Shelf life - important to rotate inventory.	
Application Techniques	Low stretch polyester film for machine, as well as hand application. Solvent clean-up of the board is recommended to facilitate subsequent soldering.	Tape must be firmly pressed down by equipment with rubber covered rollers or a rubber covered platen press. Hand rolling usually does not provide enough pressure. A vivid outline of the circuit leads indicates adequate pressure was used.
Applications	For masking printed circuit boards during solder stripping and precious metal plating of fingers.	Splicing of silicone coated papers.

FEATURES	**ADVANTAGES**	**BENEFITS**
Polyester backing.	Reduces stretch and recovery of tape and associated uneven stop-off line.	Saves money by reducing number of reject boards.
Thick adhesive coating.	Reduces undercutting because adhesive blocks out solutions between fingers.	Saves money by reducing reject boards.
Specially designed adhesive.	Tape generally performs better when no ovens are used to heat tape and boards.	Saves energy and labour costs.
	Reduces adhesive transfer to printed circuit board.	Saves money by reducing clean-up time.

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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.

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Specialty Tapes & Adhesives

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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