



# 851 Greenback Printed Circuit Board Tape

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## Product Data Sheet

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Updated : March 1996  
Supersedes : October 1993

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

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**Physical Properties**  
Not for specification purposes

<b>Adhesive Type</b>	Special blend of Silicone and Rubber	
<b>Backing</b>	Transparent polyester	
<b>Thickness</b> (ASTM D-3652)	100 µm	
<b>Tape Colour</b>	Translucent green	
<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

<b>Adhesion to Stainless Steel</b> ASTM D-3330	2.7 N/10mm	
<b>Tensile Strength</b> ASTM D-3759	36.8 N/10mm	
<b>Elongation at Break</b> ASTM D-3759	56 %	
<b>Temperature Range</b> Maximum	90 °C	

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851 Greenback Printed Circuit  
Board Tape

<b>Additional Product Information</b>	Shelf life - important to rotate inventory.	
<b>Application Techniques</b>	<p>Low stretch polyester film for machine, as well as hand application.</p> <p>Solvent clean-up of the board is recommended to facilitate subsequent soldering.</p>	<p>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.</p>
<b>Applications</b>	For masking printed circuit boards during solder stripping and precious metal plating of fingers.	Splicing of silicone coated papers.

#### FEATURES

Polyester backing.

Thick adhesive coating.

Specially designed adhesive.

#### ADVANTAGES

Reduces stretch and recovery of tape and associated uneven stop-off line.

Reduces undercutting because adhesive blocks out solutions between fingers.

Tape generally performs better when no ovens are used to heat tape and boards.

Reduces adhesive transfer to printed circuit board.

#### BENEFITS

Saves money by reducing number of reject boards.

Saves money by reducing reject boards.

Saves energy and labour costs.

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.



#### Specialty Tapes & Adhesives

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