



# Printed Circuit Board Tape

## 1285

### Technical Data

**Product Description** A blue polyester film tape with a rubber adhesive which resists plating and etching bath chemicals.

Construction	Backing	Adhesive	Color	Standard Roll Length
	Transparent Polyester	Rubber	Blue	144 yds. (133 m)

### Typical Physical Properties and Performance Characteristics

**Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.**

		ASTM Test Method
Adhesion to Steel:	30 oz./in. width (33 N/100 mm)	D-3330
Tensile Strength at Break:	26 lbs./in. width (455 N/100 mm)	D-3759
Elongation at Break:	100%	D-3759
Backing Thickness:	1.0 mil (0.03 mm)	D-3652
Total Tape Thickness:	3.7 mils (.09 mm)	D-3652

### General Information

- Roller pressure must be monitored to insure clean, residue-free boards after tape removal. Air pressure controlled equipment can be set at 30-40 PSI. Non air pressure controlled rollers should be set no closer than 1/2 the PC board thickness.
- Heat should not be used during tape lamination.
- The low stretch polyester film of 1285 is designed for machine and hand application.

### Application Ideas

- Masking of printed circuit boards during solder stripping and precious metal plating of fingers.

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Features	Advantages	Benefits
<ul style="list-style-type: none"><li>• Polyester backing</li></ul>	<ul style="list-style-type: none"><li>• Reduces stretch and recovery of tape and associated uneven stop-off line</li></ul>	<ul style="list-style-type: none"><li>• Saves money by reducing number of reject boards</li></ul>
<ul style="list-style-type: none"><li>• Thick adhesive coating</li></ul>	<ul style="list-style-type: none"><li>• Reduces undercutting because adhesive blocks out solutions between fingers</li></ul>	<ul style="list-style-type: none"><li>• Saves money by reducing reject boards</li></ul>
<ul style="list-style-type: none"><li>• Specially designed adhesive</li></ul>	<ul style="list-style-type: none"><li>• Eliminates silicone residue</li><li>• Reduces or eliminates the need for solvents</li><li>• Higher adhesion requires less pressure to adhere to PC board surface</li><li>• Eliminates white stain after leveling or fusing</li><li>• Assures good anchorage of solder masks</li><li>• Assures good anchorage of conformal coatings</li><li>• Increases optimum solderability</li></ul>	<ul style="list-style-type: none"><li>• Saves time and money by eliminating silicone related board failures</li><li>• Reduces or eliminates solvent costs</li><li>• Saves on wear and replacement costs of rubber laminating rollers</li><li>• Eliminates costly clean-up and rework</li><li>• Eliminates costly rework</li><li>• Eliminates costly rework</li><li>• Eliminates costly rework</li></ul>

## For Additional Information

To request additional product information or to arrange for sales assistance, call 612-733-1441. Address correspondence to: 3M Industrial Tape and Specialties Division, 3M Center, Building 220-8E-04, St. Paul, MN 55144-1000. Our fax number is 612-733-9175. In Canada, phone: 1-519-451-2500. In Puerto Rico, phone: 1-809-750-3000. In Mexico, phone: 5-728-0400.

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ISO 9002

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Industrial Tape and Specialties Division

3M Center, Building 220-7E-01  
St. Paul, MN 55144-1000



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