



# Circuit Plating Tape

1279

Technical Data

July, 1995

**Product Description** A polyester film with special blended adhesive for masking many printed wiring boards during the gold tip plating process.

Construction	Backing	Adhesive	Color	Standard Roll Length
	Polyester	Silicone/Rubber Blend	Orange	144 yds. (132 m) and 72 yds. (65 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:	31 oz./in. width (33.9 N/100 mm)	D-3330
Tensile Strength: (Break or Yield)	28 lbs./in. width (490.3 N/100 mm)	D-3759
Elongation: (Break or Yield)	122%	D-3759
Backing Thickness:	.8 mil (.020 mm)	D-3652
Total Tape Thickness:	3.8 mils (.096 mm)	D-3652

**General Information**

- Low stretch polyester film for machine, as well as hand application.
- Tape must be firmly pressed down by equipment with rubber covered rollers. Hand rolling usually does not provide enough pressure. A vivid outline of the circuit leads usually indicate adequate pressure was used.
- Solvent clean-up of the board is recommended to facilitate subsequent soldering.  
**Note:** Be sure to follow the manufacturer's precautions and directions for use when using solvents.
- Shelf life – important to rotate inventory.

**Application Ideas**

- Masking of many printed wiring 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>• Helps save 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 helps block out solutions between fingers</li></ul>	<ul style="list-style-type: none"><li>• Helps save 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>• Tape generally performs better when no heat is used to apply tape</li><li>• Reduces adhesive transfer to printed wiring boards</li></ul>	<ul style="list-style-type: none"><li>• Helps save energy and labor costs</li><li>• Helps save money by reducing clean-up time</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

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