



# Circuit Plating Tape

## 1279

Technical Data

May, 2004

**Product Description** 3M™ Circuit Plating Tape 1279 is a polyester film tape with specially formulated adhesive for masking many printed wiring boards during the gold tip plating process.

Product Construction	Backing	Adhesive	Color	Standard Roll Length
	Polyester	Silicone/Rubber blend	Orange	Custom sizes only. Contact your local 3M sales representative for more information.

### Typical Physical Properties

**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:	28 lbs./in. width (490.3 N/100 mm)	D-3759
Elongation at Break:	122%	D-3759
Backing Thickness:	.8 mils (.020 mm)	D-3652
Total Tape Thickness:	3.8 mils (.096 mm)	D-3652

### Features

- Low stretch polyester film for machine, as well as hand application.
- Solvent clean up of the board is recommended to facilitate subsequent soldering\*.
- Polyester backing to reduce stretch and recovery of tape and associated uneven stop-off line.
- Thick adhesive coating which reduces undercutting because adhesive helps block out solutions between fingers.
- Specially designed adhesive which generally performs better when no heat is used to apply tape and reduces adhesive transfer to printed wiring boards.

\*Be sure to follow the manufacturer's precautions and directions for use when using solvents.

### Application Ideas

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

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**Application Techniques** • 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 indicates that adequate pressure was used.

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**Storage** Store under normal conditions of 60° to 80°F (15° to 27°C) and 50% R.H. in the original carton.

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**Shelf Life** To obtain best performance, use this product within 18 months from date of manufacture.

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Printed in U.S.A.  
©3M 2004 70-0703-2517-3 (5/04)