

3M

Circuit Plating Tape

1280

Technical Data

Product Description 3M™ Circuit Plating Tape 1280 is a polyester film tape with unique adhesive for printed circuit board masking during electroplating.

Product Construction	Backing	Adhesive	Color	Standard Roll Length
	Polyester	Blended silicone and rubber	Red	72 yds. (65 m) 144 yds. (132 m)

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 (Break or Yield):	30 lbs./in. width (525.4 N/100 mm)	D-3759
Elongation (Break or Yield):	135%	D-3759
Backing Thickness:	0.9 mil (0.02 mm)	D-3652
Total Tape Thickness:	3.6 mils (0.091 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 reduces stretch and recovery of tape and associated uneven stop-off line.
 - Thick adhesive coating reduces undercutting because adhesive helps block out solutions between fingers.

- Application Techniques**
- 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.
 - Tape generally performs better when no ovens are used to heat tape and boards.

- Application Ideas**
- Masking of many printed wiring boards during solder stripping and precious metal plating of fingers.
 - Splicing of silicone treated papers.

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Storage Store under normal conditions of 60° to 80°F (16° to 27°C) and 50% R.H. in the original carton.

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

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ISO 9001:2000

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.

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