



# Circuit Plating Tape

## 1281

### Technical Data

Temporary – April, 1994

**Product Description** A polyester film tape with special adhesive for printed circuitry masking during electroplating of solder mask over bare copper (SMOBC) printed circuit boards.

Construction	Backing	Adhesive	Color	Standard Roll Length
	Polyester	Blended silicone and rubber	Red	144 yds. (131,6 m) and 72 yds. (68,8 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:	28 oz./in. width (31 N/100 mm)	D-3330
Tensile Strength:	29lbs./in. width (508 N/100 mm)	D-3759
Elongation at Break:	124%	D-3759
Backing Thickness:	1.1 mil (.03 mm)	D-3652
Total Tape Thickness:	2.0 mils (.05 mm)	D-3652

### General Information

- This low stretch polyester film can be applied by machine, as well as hand application.
- The tape must be firmly pressed down by equipment with rubber covered rollers or a rubber covered platen press. **Note:** Hand rolling usually does not provide adequate pressure. A vivid outline of the circuit leads indicates adequate pressure was used.
- Solvent clean-up of the board is recommended to facilitate subsequent soldering.\*  
**\*Note:** When using solvents, be sure to follow the manufacturer's precautions and directions for use when handling such materials.

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## Application Ideas

- Masking of printed circuit boards during solder stripping and precious metal plating of fingers.
- Splicing of silicone treated papers.

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## 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

This Industrial Tape and Specialties Division product was manufactured under a 3M quality system registered to ISO 9002 standards.

**3M**

Industrial Tape and Specialties Division

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



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