# 3M™ Circuit Plating Tape 1280

## 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 | Silicone/Rubber blend | Red | 72 yds. (65 m)<br>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 at Break: | 30 lbs./in. width (525.4 N/100 mm) | D-3759 |
| Elongation at Break: | 135% | D-3759 |
| Backing Thickness: | 0.9 mils (0.020 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 Ideas

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

## 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.

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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.

## Shelf Life

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

## Certification/Recognition

**MSDS:** 3M has not prepared a MSDS for this product which is not subject to the MSDS requirements of the Occupational Safety and Health Administration's Hazard Communication Standard, 29 C.F.R. 1910.1200(b)(6)(v). When used under reasonable conditions or in accordance with the 3M directions for use, the product should not present a health and safety hazard. However, use or processing of the product in a manner not in accordance with the directions for use may affect its performance and present potential health and safety hazards.

**TSCA:** This product is defined as an article under the Toxic Substances Control Act and therefore, it is exempt from inventory listing requirements.

**RoHs Complaint/REACH Compliant:** This product complies with the European Union's "Restriction of Hazardous Substances" (RoHs) initiative and with European REACH regulations 2002/95/EC and 2005/618/EC.

## For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-251-8634. Address correspondence to: 3M, Electronics Markets Materials Division, 3M Center, Building 225-3S-06, St. Paul, MN 55144-1000. Our fax number is 651-778-4244 or 1-877-369-2923. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

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