



# Circuit Plating Tape

## 1285

### Technical Data

**Product Description** A polyester film tape with a rubber adhesive which resists plating and etching bath chemicals.

Product Construction	Backing	Adhesive	Color	Standard Roll Length
	Transparent Polyester	Rubber	Blue	144 yds. (132m)

**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:	30 oz./in. width (33 N/100mm)	D-3330
Tensile Strength (Break or Yield):	26 lbs./in. width (455 N/100mm)	D-3759
Elongation Break or Yield):	100%	D-3759
Backing Thickness:	1.0 mil (.03 mm)	
Total Tape Thickness:	3.7 mils (.09 mm)	D-3652

- General Information**
- Roller pressure must be monitored to insure clean, residue-free boards after tape removal. Air pressure controlled equipment can be set at 30 – 40 PSI. Non-air pressure controlled rollers should be set no closer than ½ the PC board thickness.
  - Heat should not be used during tape lamination.
  - The low stretch polyester film of 1285 tape is designed for machine and hand application.

**Shelf Life** To obtain best performance, use this product within 18 months from date of manufacture and store under normal conditions of 60° to 80°F (15° to 27°C) and 50% R.H. in the original carton

- Application Ideas**
- Masking of many printed circuit boards during solder stripping and precious metal plating of fingers.

Features	Features	Advantages	Benefits
	Polyester backing	Reduces stretch and recovery of tape and associated uneven stop-off line	Helps save money by reducing number of reject boards
	Thick adhesive coating	Reduces undercutting because adhesive helps block out solutions between fingers	Helps save time and money by reducing reject boards
	Specially designed adhesive	Eliminates silicone residue	Helps save money by eliminating silicone related board failures
		Reduces or eliminates the need for solvents	Reduces or eliminates solvent costs
		Higher adhesion requires less pressure to adhere to PC board surface	Saves on wear and replacement costs of rubber laminating rollers
		Eliminates white stain after leveling or fusing	Eliminates costly clean-up and rework
		Assures good anchorage of solder masks	Eliminates costly rework
		Assures good anchorage of conformal coatings	Eliminates costly rework
		Increases optimum solderability	Eliminates costly rework

**Technical Information and Data**

The technical information and data, recommendations, and other statements provided in this document are based on tests or experience which 3M believes to be reliable, but the accuracy or completeness of such information is not guaranteed.

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



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