

3M

Polyester Tape

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Technical Data

Product Description An opaque, cream-colored polyester tape with excellent chemical resistance in precious metal plating, especially gold.

Construction	Backing	Adhesive	Color	Standard Roll Length
	Polyester	Rubber	Cream	72 yds. (66 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:	59 oz./in width (64 N/100 mm)	D-3330
Tensile Strength at Break:	29 lbs./in. width (509 N/100 mm)	D-3759
Elongation at Break:	123%	D-3759
Backing Thickness:	1 mil (.02 mm)	D-3652
Total Tape Thickness:	2.7 mils (.065 mm)	D-3652
Water Vapor Transmission Rate:	1.6 gms H ₂ O/100 sq. in./24 hrs. (24.8 g/m ² /24 hrs.)	D-3833

General Information

- Polyester film backing imparts excellent chemical and thermal stability.
- Remains flexible at -60°F (-50°C) and retains dimensional stability up to 300°F (149°C).
- Resists many solvents found in photographic, electroplating and chemical milling processes. Hot caustics will weaken the backing after prolonged immersion.
- Extended periods of exposure to elevated temperatures or outdoor conditions will cause an increase in bond strength. However, the film can become brittle and lose its tensile strength.
- Roll stability is excellent up to one year.

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Application Ideas

- Excellent chemical resistance in precious metal plating, especially gold.
- Excellent results in sodium hydroxide etching of aluminum.
- Chemical milling.
- General splicing.

Features

- Polyester film

Advantages

- Reduced failures from backing breakdown or shrinkage
- Reduced failures due to cracking due to good flexibility
- Reduced failures due to undercutting or splice slippage because of good chemical resistance

Benefits

- Saves money
- Saves money
- Saves money and labor on reworks

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.

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Industrial Tape and Specialties Division

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