



Electroplating Tape

470 • 470L

Technical Data

January, 2008

Product Description 3M™ Electroplating Tape 470 is a conformable and abrasion-resistant vinyl tape with excellent resistance to most chemicals used in typical electroplating processes. 3M™ Electroplating Tape 470L is a lined version of 3M vinyl tape 470 that may be used for die-cutting applications.

Product Construction	Backing	Adhesive	Color	Standard Roll Length
	Pigmented vinyl plastic	Rubber	Tan	36 yds. (33 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:	26 oz./in. width (28 N/100 mm)	D-3330
Tensile Strength at Break:	20 lbs./in. width (350 N/100 mm)	D-3759
Elongation at Break:	180%	D-3759
Backing Thickness:	6.3 mils (0.16 mm)	D-3652
Total Tape Thickness:	7.1 mils (0.18 mm)	D-3652
Temperature Use Range:	Up to 170°F (77°C)	

Features

- Excellent resistance to most chemicals used in typical electroplating operations.
- Prolonged exposure to elevated temperatures (above 170°F/77°C) and hot caustics may cause weakening of the adhesive bond.
- Can be qualified to meet Federal Specification HH-T-0025 (GSA-FSS).
- Resists most common solvents, care should be taken to avoid ketones, chlorinated hydrocarbons, and esters, found in lacquer thinners, degreasers, paint strippers, etc., which may cause the backing to swell or curl.

Application Ideas

- Masking during many electroplating operations, including both flat strip and overlapping masks.
- Wrapping, patching, coated racks and masking many irregular surfaces.

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Storage Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% 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

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