

February, 2011

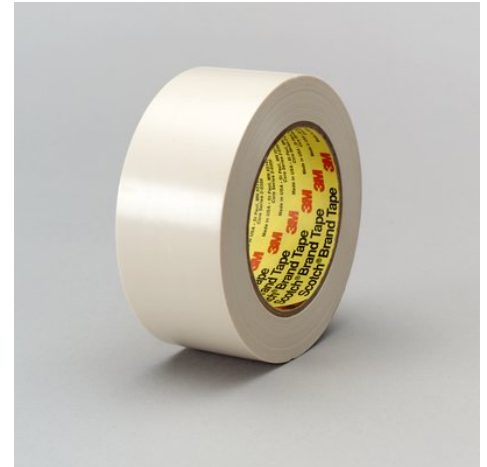
3M™ Electroplating Tape 470

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.

Product Features

- Excellent resistance to most chemicals used in typical electroplating operations.
- Prolonged exposure to elevated temperatures (above 250°F/121°C) and hot caustics may cause weakening of the adhesive bond.
- 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.
- Vinyl backing is conformable
- Backing accepts marker ink and is printable in using the thermal transfer process.



Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Typical Physical Properties

Property	Values		Method
Color	Tan		
Total Tape Thickness without liner	0.18 mm	7.1 mil	
Backing Thickness	0.16 mm	6.3 mil	ASTM D3652
Backing	Vinyl		
Adhesive	Rubber		
Liner Thickness	0.15 mm	6.1 mil	ASTM D3652

Typical Performance Characteristics

Property	Values		Method	Substrate
Peel Adhesion	4 N/cm	37 oz/in	ASTM D3330	Stainless Steel
Tensile Strength	35 N/cm	320 oz/in	ASTM D3759	
Elongation at Break	180 %		ASTM D3759	
Temperature Use Range	Up to 121 °C	Up to 250 °F		

Available Sizes

Property	Values	
Standard Roll Length	33 m	36 yd

Handling/Application Information

Application Ideas

- Masking during many electroplating operations, including both flat strip and overlapping masks.
- Wrapping, patching, coated racks and masking many irregular surfaces.
- Labeling.
- Sealing containers from water intrusion.

Storage and Shelf Life

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton. To obtain best performance, use this product within 18 months from date of manufacture.

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Industry Specifications

Federal Specification HH-T-0025 (GSA-FSS) Amendment 2

Trademarks

3M is a trademark of 3M Company.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/company-us/all-3m-products/-/3M-Electroplating-Tape-470?N=5002385+3293241703&rt=rud
Safety Data Sheet (SDS)	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=470

Family Group

	470	470L
Color	Tan	Tan
Total Tape Thickness without liner (mm)	0.18	0.18
Backing Thickness (mm)	0.16	0.16
Backing	Vinyl	Vinyl
Adhesive	Rubber	Rubber
Liner Thickness (mm)	0.15	0.15
Tensile Strength (N/cm)	35	35

ISO Statement

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

Information

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