



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Electroplating Tape

470 • 470L

Technical Data

February, 2011

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 or large area applications.

Product Construction

Backing	Adhesive	Liner	Color	Standard Roll Length
Pigmented vinyl	Rubber	Tape 470 - none Tape 470L - white paper	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:	37 oz./in. width (40.4 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 (without liner):	7.1 mils (0.18 mm)	D-3652
Liner Thickness:	6.1 mils (0.15 mm)	D-3652
Temperature Use Range:	Up to 250°F (121°C)	

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.
- Can be qualified to meet Federal Specification HH-T-0025 (GSA-FSS) Amendment 2.
- 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.

3M™ Electroplating Tape

470 • 470L

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- 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 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.

Technical Information The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

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ISO 9001:2008

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2008 standards.

3M

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