



# 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

<b>Application Ideas</b>	<ul style="list-style-type: none"><li>• Masking during many electroplating operations, including both flat strip and overlapping masks.</li><li>• Wrapping, patching, coated racks and masking many irregular surfaces.</li><li>• Labeling.</li><li>• Sealing containers from water intrusion.</li></ul>
<b>Storage</b>	Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton.
<b>Shelf Life</b>	To obtain best performance, use this product within 18 months from date of manufacture.
<b>Technical Information</b>	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.
<b>Product Use</b>	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.
<b>Warranty, Limited Remedy, and Disclaimer</b>	Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.
<b>Limitation of Liability</b>	Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

ISO 9001:2008

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



## Industrial Adhesives and Tapes Division

3M Center, Building 225-3S-06  
St. Paul, MN 55144-1000  
800-362-3550 • 877-369-2923 (Fax)  
[www.3M.com/industrial](http://www.3M.com/industrial)



Recycled Paper  
40% pre-consumer  
10% post-consumer

3M is a trademark of 3M Company.  
Printed in U.S.A.  
©3M 2011 70070950160 (2/11)



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.