

3M

Polyester Tape

854

Technical Data

Product Description	3M™ Polyester Tape 854 is an opaque, cream-colored polyester tape with excellent chemical resistance in precious metal plating, especially gold.
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Product Construction	Backing	Adhesive	Color	Standard Roll Length
	Polyester	Rubber	Cream	72 yds. (66 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.
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		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:	1.0 mil (0.03 mm)	D-3652
Total Tape Thickness:	2.7 mils (0.065 mm)	D-3652
Water Vapor Transmission Rate:	1.6 gms H ₂ O/100 sq. in./24 hrs. (24.8 g/m ² 24 h)	

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| Features | <ul style="list-style-type: none">• 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 typically found in photographic, electroplating and chemical milling processes. Note: 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. During this exposure, 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 | <ul style="list-style-type: none">• Chemical resistance in precious metal plating, especially gold.• Protection in sodium hydroxide etching of aluminum.• Protection of substrates during chemical milling.• General splicing. |
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Storage	Store under normal conditions of 70°F (21°C) and 50% R.H. in the original carton.
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Shelf Life	To obtain best performance, use this product within 18 months from date of manufacture.
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Product Use	All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.
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Limitation of Liability	Except where prohibited by law, 3M and seller 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.
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ISO 9001:2000

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.



Industrial Business Industrial Adhesives and Tapes Division

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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.



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