

3M

Polyester Tape

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Technical Data

Product Description 3M™ Polyester Tape 853 can be used for many applications where solvent resistant and/or high shear properties are desired.

Product Construction	Backing	Adhesive	Color	Standard Roll Length
	Polyester	Acrylic	Transparent	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.**

		ASTM Test Method
Adhesion to Steel:	48 oz./in. width (52 N/100 mm)	D-3330
Tensile Strength at Break:	24 lbs./in. width (421 N/100 mm)	D-3759
Elongation at Break:	102%	D-3759
Backing Thickness:	0.9 mil (0.02 mm)	D-3652
Total Tape Thickness:	2.2 mils (0.05 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)	

Features

- Can be qualified to meet Federal Spec. L-T-100B, Type I.
- Printable on the adhesive side and by the “Print Seal” method on the backing side.

Application Ideas

- High tension splicing applications.
- Quality protective laminate.
- Solvent resistant masking.
- Tape hinge.

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Storage Store under normal conditions of 70°F (21°C) and 50% R.H. in the original carton.

Shelf Life To obtain best performance, use this product within 18 months from date of manufacture.

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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ISO 9001:2000

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



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