

3M

Polyester Film Tape

8412

FOD# 1471

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Technical Data

January 1, 1999

Product Description A transparent polyester film tape with excellent tensile strength and abrasion resistance, that can be used for many permanent edging and reinforcing types of applications.

Product Construction	Backing	Adhesive	Color	Standard Roll Length
	Polyester	Acrylic	Transparent	72 yds. (66 m)

Typical Physical Properties and Performance Characteristics

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:	42 oz./in. width (45 N/100mm)	D-3330
Tensile Strength:	115 lbs./in. width (2018 N/100mm)	D-3759
Elongation at Break:	130%	D-3759
Backing Thickness:	4.6 mils (0.11 mm)	D-3652
Tape Thickness:	6.3 mils (0.15 mm)	D-3652
Temperature Use Range:	Dimensionally stable over temperature range from -60°F to 300°F (-50°C to 149°C)	

General Information

- Not recommended to exceed one year storage conditions of 70°F (21°C) and 50% R.H.

Application Ideas

- Protection from abrasion
- Applications requiring puncture resistance
- Printing plate, registration hole reinforcement

FEATURES	ADVANTAGES	BENEFITS
4.6 mil (0.11 mm) polyester backing	Excellent abrasion and puncture resistance	Provides excellent surface protection
Acrylic adhesive	Long aging	Helps reduce failures often caused by adhesive degradation

Technical Information and Data

The technical information and data, recommendations, and other statements provided are based on tests or experience which 3M believes to be reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use

Please remember that many factors can affect the use and performance of a 3M product in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions in which the product is expected to perform are among the many factors that can affect the use and performance of a 3M product. Given the variety of factors that can affect the use and performance of a 3M product, some of which 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 9002

This Industrial Tape and Specialties Division product was manufactured under a 3M quality system registered to ISO 9002 standards.



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