

3M

Polyethylene Tape

480

Technical Data

Product Description 3M™ Polyethylene Tape 480 has a backing with a long aging transparent acrylic adhesive and can be used for splicing polyethylene sheeting, limited outdoor use, as well as many miscellaneous protecting and sealing applications.

Product Construction	Backing	Adhesive	Color	Standard Roll Length
	Transparent polyethylene	Acrylic	Transparent	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:	22 oz./in. width (24 N/100 mm)	D-3330
Tensile Strength:	10 lbs./in. width (180 N/100 mm)	D-3759
Elongation at Break:	277%	D-3759
Backing Thickness:	3.8 mils (0.10 mm)	D-3652
Total Tape Thickness:	5.1 mils (0.13 mm)	D-3652
Temperature Use Range:	20° to 170°F (-7° to 77°C)	

Features

- Polyethylene backing provides good chemical and solvent resistance.
- Extremely conformable for wrapping, patching and for use on compound curves.
- Good abrasion resistance.
- Remains flexible to -20°F (-29°C). Prolonged exposure above 170°F (77°C) and hot caustics may cause softening of backing and weaken bond of adhesive to backing.
- Best results are attained when applied to a clean, dry surface at temperatures between 60° to 80°F (16° to 27°C).

Application Ideas

- Splicing and patching of polyethylene webs and sheets.
- Excellent seal on compound surfaces.
- Good candidate for limited outdoor exposure applications such as patching, repairing or protecting.

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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.

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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