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3M

Polyethylene Tape

480

Technical Data

December, 2009

Product Description 3M™ Polyethylene Tape 480 has a transparent polyethylene backing with a long aging transparent acrylic adhesive. It can be used for splicing and repairing polyethylene sheeting. It is also recommended for sealing and protecting applications.

Product Construction

Backing	Adhesive	Color	Standard Roll Length	Standard Widths
Transparent polyethylene	Acrylic	Transparent	36 yds. (33 m)	1" (25.4mm), 2" (50.8mm), 3" (76.2mm), 4" (101.6mm) Custom sizes available.

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:	12 lbs./in. width (210 N/100 mm)	D-3759
Elongation at Break:	520%	D-3759
Backing Thickness:	4.0 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 sealing, wrapping, patching and for use on compound curves.
- Water white color, non-yellowing adhesive make repairs less visible.
- 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 sheeting.
- Excellent seal on smooth, compound, and irregular surfaces.
- Good candidate for limited outdoor exposure applications (<3 months) such as patching, repairing or protecting.

3M™ Polyethylene Tape

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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.
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Shelf Life	To obtain best performance, use this product within 18 months from date of manufacture.
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Technical Information	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.
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Product Use	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.
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This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.



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