



# Polyethylene Film Tape

## 480

**Technical Data**

**August, 1995**

**Product Description** A transparent polyethylene backing with a long aging transparent acrylic adhesive. Can be used for splicing polyethylene sheeting, limited outdoor use, as well as many miscellaneous protecting and sealing applications.

<b>Construction</b>	<b>Backing</b>	<b>Adhesive</b>	<b>Colors</b>	<b>Standard Roll Length</b>
	Transparent polyethylene	Acrylic	Transparent	36 yds. (33 m)
	Standard Widths Available: 1, 2, 3 in. (25, 50, 75 mm)			

**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.**

		<b>ASTM Test Method</b>
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:	280%	D-3759
Backing Thickness:	3.8 mils (0.10 mm)	D-3652
Tape Thickness:	5.1 mils (0.13 mm)	D-3652

**Application Conditions** Best results are attained when applied to a clean, dry surface between 60-80°F (15-27°C).

- General Information**
- 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.
  - The shelf life for 480 tape is 18 months from the date of manufacture when stored in a clean, dry environment between 60-80°F (15-27°C) and 40-50% relative humidity.

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## 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.

Features	Advantages	Benefits
<ul style="list-style-type: none"><li>• Transparent polyethylene backing</li></ul>	<ul style="list-style-type: none"><li>• Resistant to many solvents</li><li>• Very conformable</li><li>• Eliminates need to match colors</li><li>• Long age life – even at cold temperatures</li></ul>	<ul style="list-style-type: none"><li>• Good protection</li><li>• Good seal</li><li>• Helps protect substrates for long periods</li><li>• Helps reduce risk of failure</li></ul>
<ul style="list-style-type: none"><li>• Acrylic adhesive</li></ul>	<ul style="list-style-type: none"><li>• Long aging</li><li>• Transparent</li></ul>	<ul style="list-style-type: none"><li>• Helps reduce risk of failure</li><li>• Minimizes distortion of substrate</li><li>• Good UV resistance</li></ul>

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## For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-227-5085. Address correspondence to: 3M Industrial Tape and Specialties Division, 3M Center, Building 220-8E-04, St. Paul, MN 55144-1000. Our fax number is 612-733-9175. In Canada, phone: 1-519-451-2500. In Puerto Rico, phone: 1-809-750-3000. In Mexico, phone: 5-728-0400.

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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.

**3M**

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