



Technical Data Sheet

3M™ Polyethylene Tape 480



[Product Details](#)



[Regulatory Info/SDS](#)

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, patching and surface protection applications with short-term (<3 months) outdoor exposures.

Product Features

- Polyethylene backing provides good chemical and solvent resistance.
- Extremely conformable for sealing, wrapping, patching and for use on compound curves.
- Transparent clear 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).

Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Typical Physical Properties

Attribute Name	Test Method	Value
Color		Transparent
Adhesive Type		Acrylic
Backing		Polyethylene
Backing Thickness	ASTM D3652	0.10 mm (4.0 mil)
Total Tape Thickness	ASTM D3652	0.13 mm (5.1 mil)

Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	22 °C (72 °F)	2.4 N/cm (22 oz/in) ¹
Elongation at Break	ASTM D3759		520 %
Tensile Strength	ASTM D3759		21 N/cm (12 lb/in)
Long Term Temperature Resistance			77 °C (170 °F) ²

¹ 12 in/min (300 mm/min)

² Long Term (day, weeks)

Handling/Application Information

Application Examples

- Splicing and patching of polyethylene sheeting.
- Seals on smooth, compound, and irregular surfaces.
- Candidate for limited outdoor exposure applications (< 3 months) such as patching, repairing or protecting.

Storage and Shelf Life

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 18 months from date of manufacture.

Available Sizes

Attribute Name	Value
Standard Roll Length	33 m (36 yd)

Information

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ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

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