

# 3M™ Polyurethane Protective Tape 8616

## Technical Data Sheet

### Product Description

3M™ Polyurethane Protective Tape 8616 is made from a tough, matte transparent, abrasion resistant, polyurethane elastomer that resists puncture and tearing. It is combined with an acrylic pressure sensitive adhesive formulated for compatibility with plasticizer containing materials (e.g. vinyl). Polyurethane Protective Tape 8616 provides a simple and easy method of producing a durable system of patching holes and tears in vinyl coated fabrics and vinyl films. Polyurethane Protective Tape 8616 is constructed with a solvent resistant, pressure sensitive, acrylic adhesive, protected with an easy-release paper liner.

### Typical Physical Properties and Performance Characteristics

**Note:** 1) The following technical information and data should be considered representative or typical only and should not be used for specification purposes. 2) ASTM = American Society for Testing and Materials. 3) Metric values are listed in parenthesis.

Property	Test Method	Units	Typical Value	
<b>Tensile Strength @ Break</b>	ASTM D882	lb./in. (N/100 mm)	32 (560)	
<b>Elongation % @ Break</b>	ASTM D882	%	500	
<b>Peel Adhesion @ 70°F (21°C) to:</b>	ASTM D-1000	oz./in. (N/100 mm)	Bare Aluminum	60 (66)
Stainless steel			82 (90)	
Vinyl			80 (88)	
G-10 Epoxy Board			89 (98)	
<b>Max. Service Temperature</b>		°F (°C)	180°F (82°C)	

### Dimensions

<b>Approximate Applied Thickness*</b>	0.004 inch (0.10 mm) Film 0.012 inch (0.30 mm) Adhesive Total thickness 0.016 inches (0.40 mm)
<b>Standard Roll Length</b>	36 yd. (32.9 m)
<b>Available Widths</b>	Minimum 1/2 inch Maximum 24 inches (1.25 cm to 61 cm)
<b>Approximate Weight*</b>	0.62 lb/yd <sup>2</sup> (350 g/m <sup>2</sup> )

\*Excludes the paper liner that is removed from the tape prior to application.

### General Information

- 3M™ Polyurethane Protective Tape has weather resistant properties and has been used to isolate and protect substrates from environmental damage and corrosive elements
- Polyurethane Protective Tape may be painted per 3M™ Technical Bulletin Polyurethane Protective Tape, Paint Instructions

## Shipping and Storage

No special/hazardous labeling or packaging required or regulations for air, ground or water shipment for this product.

Keep film in a clean area, away from excessive moisture and out of direct sunlight. Store rolls in the shipping carton. Return partially used rolls to the shipping carton.

**Shelf life:** Two (2) years from date of manufacture

## Additional Information

In the U.S. call toll free 1-800-235-2376, or fax 1-800-435-3082 or 651-737-2171. For U.S. Military, call 1-866-556-5714. If you are outside of the U.S., please contact your nearest 3M representative.

*These products were manufacture under a 3M Quality Management System registered to the AS9100 standard*

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