



Polyurethane Protective Tape

8561

Technical Data Sheet

October, 2007

Product Description 3M™ Polyurethane Protective Tape 8561 is made from an abrasion-resistant polyurethane elastomer that resists puncture, tearing, abrasion and erosion. 3M 8561 Tape provides a simple, easy, and fast method of protecting a surface from corrosion, abrasion, erosion and minor impact damage. 3M 8561 Tape is constructed with a long-aging, solvent-resistant, pressure-sensitive, acrylic adhesive protected with an easy-release paper liner.

3M™ Polyurethane Protective Tape 8561 is a transparent tape available with a paper liner only.

Typical Physical Properties and Performance Characteristics

- Notes:** 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.

A. Dimensions

Approximate Applied Thickness:*	0.012 inch (0.30 mm) Film 0.002 inch (0.06 mm) Adhesive 0.014 inch (0.36 mm) = Total thickness
Standard Roll Length:	36 yd (32.9 m)
Available Widths:	Minimum 1/4 inch Maximum 48 inches (0.625 cm to 122 cm)
Approximate Weight:*	0.79 lb/yd ² (428 g/m ²)

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

B. Typical Physical Properties and Performance Characteristics

Property	Test Method	Units	Typical Value
Tensile Strength @ Break	ASTM D882	lb/in (N/100 mm)	75 (1313)
Elongation % @ Break	ASTM D882	%	400
Peel Adhesion @ 70°F (21°C) to:			
Plate Glass	ASTM D3330 Method A 24 hour dwell	oz/in (N/100 mm)	36 (39)
Anodized Aluminum	ASTM D3330 Method A 24 hour dwell	oz/in (N/100 mm)	62 (67)
Acrylic Enamel Paint	ASTM D3330 Method A 24 hour dwell	oz/in (N/100 mm)	26 (28)
Mil-P-23377 Epoxy Primer	ASTM D3330 Method A 24 hour dwell	oz/in (N/100 mm)	42 (45)

General Information

- 3M 8561 Tape has good environmental resistance properties and has been used to isolate and protect substrates from environmental damage and corrosive elements.
- 3M 8561 Tape may be painted per 3M Technical Bulletin “3M™ Polyurethane Protective Tape, Paint Instructions” (70-0702-6358-0).

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Safety and Regulatory

- 3M™ Polyurethane Protective Tape is **100%** solids and contains no hazardous air pollutants (HAPs), volatile organic components (VOCs) or materials restricted by regulations or law. Respiratory protection is not required under normal use conditions.
- 3M Polyurethane Protective Tape meets US Federal and California regulations for landfillable materials. The product is potentially recyclable.
- Packaging materials meet US Federal and California regulations for landfillable materials and are recyclable or reusable.
- This product is considered to be an article that does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.

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.

Precautionary Information

Refer to Product Label and Material Safety Data Sheet (www.3M.com/msds) for health and safety information before using this product. For additional health and safety information, call 1-800-364-3577 or (651) 737-6501.

For 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 office or one of the following branches:

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Limitation of Remedies and Liability

If the 3M product is proved to be defective, THE EXCLUSIVE REMEDY, AT 3M'S OPTION, SHALL BE TO REFUND THE PURCHASE PRICE OF OR TO REPAIR OR REPLACE THE DEFECTIVE 3M PRODUCT. 3M shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including, but not limited to, contract, negligence, warranty, or strict liability.

This product was manufactured under a 3M quality standard registered under AS9100 standards.

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