



Polyurethane Protective Tape

8667 HS

Technical Data

Issue 1

Product Description 3M™ Polyurethane Protective Tape 8667 HS is made from a tough abrasion resistant polyurethane elastomer that resists punctures, tearing, abrasion and erosion. It provides a simple, easy, and fast method of protecting a surface from corrosion, abrasion, erosion and minor impact damage. Polyurethane Protective Tape 8667 HS is constructed with a long-aging, solvent resistant, high shear (HS) pressure sensitive acrylic adhesive that is protected with an easy-release poly liner.

Polyurethane Protective Tape 8667 HS has a matte surface finish and is available in transparent, matte black, and several grays (Fed Std 595B 36118, 36173, 36270 and 36320).

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 Material.
 3) Metric values are listed in parenthesis.

A. Dimensions

Approximate Applied Thickness:*	Total thickness 0.028 inch (0.71 mm) 0.025 inch (0.63 mm) Backing 0.003 inch (0.08 mm) Adhesive
Standard Roll Length:	36 yd (32.9 m)
Available Widths:	1/2 inch minimum to 24-inch maximum (1.25 cm to 61 cm)
Approximate Weight:*	1.52 lb/yd ² (815 g/m ²)

*Excludes the poly 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)	120 (2106)
Elongation % @ Break	ASTM D882	%	500
Peel Adhesion @ 70°F (21°C) to: Bare Aluminum Acrylic Enamel Paint ABS Plastic	ASTM D-1000	oz/in (N/100 mm)	72 (79) 52 (57) 55 (60)
Max. Service Temperature		°F (°C)	275°F (135°C)

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General Information

- 3M™ Polyurethane Protective Tape 8667 HS has environmental resistant properties and has been used to isolate and protect substrates from environmental damage and corrosive elements.
- Polyurethane Protective Tape 8667 HS can be used to provide a UV resistant surface coating for indoor and outdoor applications.
- Polyurethane Protective Tape 8667 HS may be painted per 3M™ Technical Bulletin “Polyurethane Protective Tape, Paint Instructions” (70-0702-6358-0).
- 3M™ Scotch-Weld™ Epoxy Adhesive DP190 for edge sealing.
- 3M™ Adhesion Promoter 86A for long-term installation.

Safety and Regulatory

- Polyurethane Protective Tape 8667 HS 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.
- Polyurethane Protective Tape 8667 HS 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 and no 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.

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Precautionary Information

Refer to Product Label and Material Safety Data Sheet 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

To request additional product information or to arrange for sales assistance, call toll free 1-800-235-2376. Address correspondence to: 3M Aerospace and Aircraft Maintenance Division, 3M Center, Building 223-1N-14, St. Paul, MN 55144-1000. Our fax number is 1-800-421-2483 or 708-338-5602. 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.

ISO9001

This Aerospace and Aircraft Maintenance Division's product was manufactured under a 3M quality standard registered under ISO9001 standards.



Aerospace and Aircraft Maintenance Division Transportation Business

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