

3M™ Polyurethane Protective Tape 8663HS

Technical Data Sheet

Product Description

3M™ Polyurethane Protective Tape 8663HS is made from a polyurethane elastomer that resists punctures, tearing, abrasion erosion and ultraviolet light. 3M 8663HS Tape provides a simple, easy method of protecting a surface from corrosion, abrasion and minor impact damage. It can be installed in a minimum amount of time with simple tools. It can be painted or applied over painted surfaces. 3M 8663HS Tape is constricted with a long aging, solvent-resistant, pressure sensitive acrylic adhesive that is protected with an easy-to-release poly liner. 3M 8663HS Tape is available in matte transparent or matte black color.

3M 8663HS Tape is available in two liner configurations:

1. Single poly line on the adhesive side
2. Single skip-slit poly liner on the adhesive side. Skip-slit liners are cut into narrow strips to enable easy installation.

Typical Physical Properties and Performance Characteristics

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

Dimensions

Approximate applied Thickness*	0.016 inch (0.40 mm) Film 0.002 inch (0.05 mm) Adhesive Total Thickness 0.018 inch (0.45 mm)
Standard Roll Length	36 yd (32.9 m)
Available Widths	Minimum ½ inch Maximum 24 inches (1.25 cm to 61 cm)
Approximate Weight*	1.04 lb/yd ² (517 g/m ²)

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

Typical Physical Properties and Performance Characteristics:

Property	Test Method	Units U.S. (SI)	Typical Value
Tensile Strength @ Break	ASTM D412	lb/in (N/100 mm)	117 (2,049)
Hardness	ASTM D2240	Shore A	80
Elongation % @ Break	ASTM D882	%	400
Peel Adhesion @ 70°F (21°C) to: Anodized, Alclad Aluminum Glossy Polyurethane Paint Mil-P-27733 Epoxy Primer 304 Brite #7 Stainless Steel	ASTM D-3330, 24 hr dwell	oz/in (N/100 mm)	110 (120) 45 (49) 110 (120) 60 (66)
Max. Service Temperature		°F (°C)	180°F (82°C)

General Information

- 3M™ Polyurethane Protective Tape has weather resistance 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, Painting instructions

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

Shelf Life: Two (2) years from date of manufacture or as expressly certified by 3M.

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 manufactured under a 3M Quality Management System registered to the AS9100 standard

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