

3M™ Polyurethane Protective Tape 8673 & 8673DL

Technical Data Sheet

Product Description

3M™ Polyurethane Protective Tape 8673 and 8673DL are made from an abrasion-resistant polyurethane elastomer that resists punctures, tears, abrasion and erosion. These products are formulated for long-term resistance to ultraviolet (UV) light. 3M 8673 Tape and 3M 8673DL Tape provide a simple, easy method of protecting a surface from abrasion and minor impact damage. They can be installed in a minimal amount of time with simple tools. They may be painted or applied over painted surfaces. 3M 8673 and 8673DL Tapes are constructed with a durable, solvent-resistant, pressure-sensitive acrylic adhesive that is protected with an easy-release liner. In addition, 3M 8673DL Tape is supplied with a top liner used as an aid for wide web applications. The top liner is removed after installation.

3M 8673 and 8673DL Tapes are available in transparent versions only. 8673 Polyurethane Protective tape is for erosion protection that is not installed on a heated substrate or component.

Typical Physical Properties and Performance Characteristics

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

ASTM = American Society for Testing and Materials

United States customary units of measurements are utilized, with equivalent metric units enclosed in parentheses.

A. Dimensions

Approximate Applied Thickness:*	Total thickness 0.014 inch (0.36 mm) 0.012 inch (0.30 mm) Backing 0.002 inch (0.06 mm) Adhesive
Standard Roll Length:	36 yd (32.9 m)
Available Widths:	1/2 inch minimum to 48-inch maximum (1.25 cm to 122 cm) Restricted availability for widths over 12 inch (600 mm)
Approximate Weight:	0.81 lb/yd ² (405 g/m ²)

B. Physical Properties

Property	Test Method	Units	Typical Value
Tensile Strength @ Break	ASTM D882	lb/in (N/100 mm)	70 (1228)
Elongation % @ Break	ASTM D882	%	500
Peel Adhesion @ 70°F (21°C) to:	ASTM D-1000	oz/in (N/100 mm)	
Bare Aluminum			69 (76)
Acrylic Enamel Paint			48 (52)
ABS Plastic			55 (60)
Max. Service Temperature		°F (°C)	200°F (93°C)

General Information

- 3M 8673 and 8673DL Tapes may be painted per 3M™ Technical Bulletin “Polyurethane Protective Tape, Paint Instructions” (70-0702-6358-0).
- 3M™ Adhesion Promoter 86A* may be used with 3M 8673 Tape and 3M 8673DL Tapes to increase adhesion for difficult substrates or longer term or permanent applications.
- If edge sealing is required, for protection against moisture or fluid exposure, 3M™ Scotch-Weld™ Epoxy Adhesive DP190 is frequently used.

*Note: Consult local air quality rules which may regulate product use.

Safety and Regulatory

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 the date of manufacture or as certified by 3M.

Precautionary Information

Refer to Product Label and 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, and visit www.3m.com/3M/en_US/company-us/SDS-search/

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.

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

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