

3M™ Polyurethane Protective Tape 8666

Technical Data Sheet

Description

3M™ Polyurethane Protective Tape 8666 is noted for its proven overall excellent performance. This rugged urethane tape protects surfaces against corrosion, abrasion, weathering and minor impact damage. Additionally, the tape resists punctures, tearing, abrasion, ultraviolet light, and erosion while featuring a specially formulated non-yellowing clear coat for handling and cleanability. 3M 8666 Tape is constructed with a solvent-resistant, pressure-sensitive acrylic adhesive protected with an easy-release poly liner. Proven to meet OEM specifications, this durable tape is easy to install, flexible, conformable and long lasting. 3M 8666 Tape is available in roll sizes to meet your application needs.

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*	0.007 inch (0.18 mm) Film 0.002 inch (0.05 mm) Adhesive Total thickness 0.009 inch (0.23 mm)
Standard Roll Length	36 yd (32.9 m)
Available Widths	Minimum ¼ inch Maximum 48 inches (0.635 cm to 122 cm)
Approximate Weight*	0.45 lb/yd ² (244 g/m ²)

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

Typical Physical Properties and Performance Characteristics:

Property	Test Method	Units	Typical Value
Tensile Strength @ Break	ASTM D882	lb/in (N/100 mm)	18 (315)
Elongation % @ Break	ASTM D882	%	400
Peel Adhesion @ 70°F (21°C) to: Stainless Steel	ASTM D-1000 Method A; 5 minute dwell	oz/in (N/100 mm)	60 (65)

Safety and Regulatory

- 3M™ Polyurethane Protective Tape is 100% solids and contains no hazardous air pollutants (HAPs), volatile organic components (VOCs). Respiratory protection is not required under normal use conditions.
- 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 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 data of manufacture or as expressly 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. If you are outside of the U.S., please contact your nearest 3M office or one of the following branches:

Authorization to Use

Ensure products meet all applicable specifications, standards, and maintenance manual requirements for the platform being worked on and validate all aircraft approvals against current technical documentation.

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

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