

Polyurethane Protective Tape 8547

Technical Data Sheet

Product Description

3M™ Polyurethane Protective Tape 8547 is a removable, flame resistant tape made from an abrasion resistant polyurethane elastomer that resists puncture, tearing, abrasion and erosion. It is commonly used as a temporary, flame retardant shield to prevent weld splatter from damaging glass, ducting and other components during welding operations. 3M 8547 Tape meets the requirements of NFPA 701 (1989 Edition). 3M 8547 Tape is constructed with a solvent resistant, pressure sensitive, low tack acrylic adhesive, protected with an easy-release poly liner. 3M 8547 Tape is a transparent tape available with a white plastic liner.

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

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: Bare Aluminum Acrylic Enamel Paint	ASTM D-1000	oz/in (N/100 mm)	11 (12) 16 (17.4)
Max. Service Temperature		°F (°C)	180°F (82°C)
Flame Resistance Standard Methods of Fire Test for Flame Resistant Textiles and Films, 1989	NFPA 701 Large Scale Test		Pass

Dimensions

Approximate Applied Thickness*	0.012 inch (0.30 mm) Film 0.001 inch (0.025 mm) Adhesive Total thickness 0.013 inch (0.33 mm)
Standard Roll Length	36 yd (32.9 m)
Available Widths	Minimum 1/2 inch Maximum 48 inches (1.25 cm to 122 cm)
Approximate Weight*	0.69 lb/yd ² (377 g/m ²)

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

General Information

- 3M™ Polyurethane Protective Tape has weather resistant 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, Paint Instructions” (70-0702-6358-0)

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 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 expressly certified by 3M.

Precautionary Information

Refer to product label and Safety Data Sheet (SDS) for health and safety information before using this product. For SDS visit our website https://www.3m.com/3M/en_US/company-us/SDS-search/.

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

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