

3M™ Polyurethane Protective Tape 8658DL

Technical Data Sheet

Product Description

3M™ Polyurethane Protective Tape 8658DL (dual liner) is a transparent, flame-retardant tape made from an exceptionally tough polyurethane elastomer that resists puncture, tearing, and abrasion. This product is uniquely formulated to pass the burn resistance requirements of 14 CFR 25.853 (a) when tested as a free standing tape and in representative floor board constructions. Applied as a seam sealing and wide area protection tape to aircraft floor panels, this product establishes an excellent barrier to fluids and helps prevent liquids from causing corrosion of the floor system. 3M 8658DL Tape incorporates a specially formulated, pressure sensitive adhesive for fast and easy application, and can be applied over 3M uncured polysulfide sealant, such as AC-770. This product is supplied in a dual liner configuration consisting of a polyethylene adhesive liner and a polyester top liner used as an aid for application. These liners are removed after installation.

Typical Physical Properties and Performance Characteristics

Note: 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.

Property	Test Method	Units	Typical Value ¹
Tensile	ASTM D882 Method A	lb./in. (N/100 mm)	34 (583)
Elongation % @ Break	ASTM D882 Method A	%	500
Hardness	ASTM D2240	Shore A	73
Peel Adhesion	ASTM D3330 180° Peel 24 hr dwell on: <ul style="list-style-type: none"> Bare Aluminum 2024 T3 BMS 4-17 Type VI Floor Panel BMS 4-20 Type II Floor Panel 	oz./in. (N/100 mm)	94 (102) 99 (107) 86 (93)
Flame Resistance	14 CFR 25.853 (a), Appendix F, Part I (a) (1) (ii), 12-second vertical burn. Tested as free standing tape	Extinguish Time (seconds)	1
Max. Service Temperature		°F (°C)	180°F (82°C)

Dimensions

Approximate Applied Thickness*	0.009 inch (0.23 mm)
Standard Roll Length	36 yd. (32.9 m)
Available Widths	Minimum 2 inches Maximum 48 inches (5 cm to 122 cm)
Approximate Weight*	0.46 lb/yd ² (250 g/m ²)

*Excludes the liner removed after application.

Shipping and Storage

No special/hazardous labeling or packaging required or 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

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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Automotive & Aerospace Solutions Division
3M Center
St. Paul, MN 55144-1000
Phone 1-800-328-1684
Web www.3M.com/aerospace

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