Weather Resistant Film Tape
838

Technical Data

Product Description

3M™ Weather Resistant Film Tape 838 can be used for many long-term weather resistant and protecting applications.

Product Construction

Backing	Adhesive	Color	Standard Roll Length	Standard Widths
Tedlar® PVF	Acrylic	White	72 yds. (66 m)	1, 1 1/2, 2 in. (25, 38, 50 mm)

Typical Physical Properties

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

		ASTM Test Method
Adhesion to Steel:	47 oz./in. width (51 N/100 mm)	D-3330
Tensile Strength:	24 lbs./in. width (420 N/100 mm)	D-3759
Elongation at Break:	170%	D-3759
Backing Thickness:	2.1 mils (0.05 mm)	D-3652
Total Tape Thickness:	3.4 mils (0.09 mm)	D-3652
Temperature Use Range:	-100° to 225°F (-73° to 107°C)	

Features

- Good aging properties because it contains no plasticizers. It also remains tough and flexible over a broad temperature range.
- The properties of Tedlar® film include excellent resistance to weathering, outstanding mechanical properties and inertness toward a wide variety of chemicals, solvents and staining agents.
- Tedlar® film tape is strong, flexible and fatigue resistant.
- Can be certified to meet Mil Spec MIL-T-22085 Amendment 3, Type IV.

Application Ideas

- Sealing the seams of outdoor building panels, windows and doors as well as similar severe exposure applications.
- Hinge seal on shower doors.

3M™ Weather Resistant Film Tape
838

Storage

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 50% R.H. in the original carton.

Shelf Life

To obtain best performance, use this product within 18 months from date of manufacture.

Product Use

All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

Warranty and Limited Remedy

Unless stated otherwise in 3M's product literature, packaging inserts or product packaging for individual products, 3M warrants that each 3M product meets the applicable specifications at the time 3M ships the product. Individual products may have additional or different warranties as stated on product literature, package inserts or product packages. 3M MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's application. If the 3M product is defective within the warranty period, your exclusive remedy and 3M's and seller's sole obligation will be, at 3M's option, to replace the product or refund the purchase price.

Limitation of Liability

Except where prohibited by law, 3M and seller will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

ISO 9001:2000

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.

3M

Industrial Business
Industrial Adhesives and Tapes Division

3M Center, Building 21-1W-10, 900 Bush Avenue
St. Paul, MN 55144-1000
800-362-3550 • 877-369-2923 (fax)
www.3M.com/industrial

Recycled Paper
40% pre-consumer
10% post-consumer

Tedlar is a registered trademark of E.I. Dupont de Nemours & Co. Inc.
Printed in U.S.A.
©3M 70-0703-2483-8 (1999/11/05)