



Weather Resistant Film Tape

838

Technical Data

November, 2008

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, 1½, 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.

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

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Storage	Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 50% R.H. in the original carton.
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Shelf Life	To obtain best performance, use this product within 18 months from date of manufacture.
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Technical Information	The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.
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ISO 9001:2000

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



Industrial Adhesives and Tapes Division

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40% pre-consumer
10% post-consumer

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