



Weather Resistant Film Tape 838

Technical Data

December, 2014

Product Description 3M™ Weather Resistant Film Tape 838 is comprised of strong, thin Tedlar® backing with high shear, solvent resistant acrylic adhesive. This tape is ideal for many long-term weather resistant and protection applications.

Product Construction	Backing	Adhesive	Color	Standard Roll Length
	Tedlar® PVF	Acrylic	White	72 yds. (65.8 m)

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 Thickness:	3.4 mils (0.09 mm)	D-3652
Temperature Use Range:	-100°F - 225°F (-73°C - 107°C)	

Features

- Tedlar® PVF backing provides strength without thickness.
- 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.
- Good aging properties because it contains no plasticizers. It also remains tough and flexible over a broad temperature range.

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Application Ideas	<ul style="list-style-type: none">• Sealing the seams of outdoor building panels, windows and doors as well as similar severe exposure applications.• Hinge seal on shower doors.• Sealing critical area from moisture intrusion.
Storage	Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% relative humidity in the original packaging material.
Shelf Life	To obtain best performance, use this product within 18 months from date of manufacture.
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