



Technical Data Sheet

3M™ Weather Resistant Film Tape 838

[Product Details](#)

[Regulatory Info/SDS](#)

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 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.

Technical Information Note

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

Typical Physical Properties

Attribute Name	Test Method	Value
Color		White
Adhesive Type		Acrylic
Backing		Tedlar® PVF
Backing Thickness	ASTM D3652	0.05 mm (2.1 mil)
Total Tape Thickness	ASTM D3652	0.09 mm (3.4 mil)

Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	23 °C (73 °F)	5.1 N/cm (47 oz/in) ¹
Elongation at Break	ASTM D3759		170 %
Tensile Strength	ASTM D3759		42 N/cm (24 lb/in)
Long Term Temperature Resistance			107 °C (225 °F) ²
Minimum Long Term Temperature Resistance			-73 °C (-100 °F) ²

¹ 304 mm/min (12 in/min)

² Long Term (day, weeks)

Handling/Application Information

Application Examples

- 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 and Shelf Life

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 18 months from date of manufacture.

Available Sizes

Attribute Name	Value
Standard Roll Length	65.8 m (72 yd)

Information

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ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

3M™ Industrial Adhesives and Tapes Division
3M Center, St. Paul, MN 55144-1000
3M.com/iatd

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