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

<table>
<thead>
<tr>
<th>Backing</th>
<th>Adhesive</th>
<th>Color</th>
<th>Standard Roll Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tedlar® PVF</td>
<td>Acrylic</td>
<td>White</td>
<td>72 yds. (65.8 m)</td>
</tr>
</tbody>
</table>

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.

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

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.
**3M™ Weather Resistant Film Tape 838**

### Application Ideas
- 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.

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

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3M
Industrial Business
Industrial Adhesives and Tapes Division
3M Center, Building 220-3S-06
St. Paul, MN 55144-1000
800-362-3550 · 577-369-2923 (Fax)
www.3M.com/industrial

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