Weather Resistant Film Tape 838

Technical Data  

February, 2013

Product Description

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

Product Construction

<table>
<thead>
<tr>
<th>Backing</th>
<th>Adhesive</th>
<th>Color</th>
<th>Standard Roll Length</th>
<th>Standard Widths</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tedlar® PVF</td>
<td>Acrylic</td>
<td>White</td>
<td>72 yds. (66 m)</td>
<td>1, 1½, 2 in. (25, 38, 50 mm)</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 Tape Thickness:</td>
<td>3.4 mils (0.09 mm)</td>
<td>D-3652</td>
</tr>
<tr>
<td>Temperature Use Range:</td>
<td>-100° to 225°F (-73° to 107°C)</td>
<td></td>
</tr>
</tbody>
</table>

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

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