High Temperature Aluminum Foil/Glass Cloth Tape
363 • 363L (Linered)

Product Description
3M™ High Temperature Aluminum Foil/Glass Cloth Tape 363 can be used as a high temperature, heat reflective, protective wrap for certain cables and other components in aerospace and industrial applications.

Product Construction

<table>
<thead>
<tr>
<th>Backing</th>
<th>Adhesive</th>
<th>Color</th>
<th>Liner (3M tape 363L)</th>
<th>Standard Roll Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum foil laminated</td>
<td>Silicone</td>
<td>Shiny silver</td>
<td>Transparent, easy-release film</td>
<td>36 yds. (33 m)</td>
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<tr>
<td>to glass cloth</td>
<td></td>
<td></td>
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</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>Test Method</th>
<th>Adhesion to Steel: 67 oz./in. width (73 N/100 mm)</th>
<th>Tensile Strength: 135 lbs./in. width (2364 N/100 mm)</th>
<th>Elongation at Break: 7%</th>
<th>Backing Thickness: Foil: 1.0 mil (0.025 mm) Glass Cloth: 2.4 mils (0.06 mm)</th>
<th>Total Tape Thickness: 7.3 mils (0.19 mm)</th>
<th>Liner Thickness: 2.0 mils (0.05 mm) (3M tape 363L)</th>
<th>Temperature Use Range: -65° to 600°F (-54 to 316°C)</th>
<th>Weight: 0.0114 lbs./yd./in. width (0.0057 kg/m/24mm)</th>
</tr>
</thead>
</table>

Features
- Can easily be die-cut into special sizes or shapes.
- Light, flexible construction – easily applied to a variety of irregular shapes.
- Performs continuously from -65°F (-54°C) to over 600°F (316°C).
- Can be qualified to meet MIL-T-83284. Paragraph 3.4.1, thermal radiation resistance.
- Meets the requirements of F.A.R. 25.853(a).
- Best results obtained when applied to a clean dry surface above 32°F (0°C), but can be applied at lower temperatures.
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Application Ideas
- A heat reflective wrap, over insulation cables, instruments, or other high temperature sensitive materials.

Storage
Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton.

Shelf Life
To obtain best performance, use this product within 36 months from date of manufacture.

Product Use
All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M’s control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user’s knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user’s method of application.

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