March, 2013

3M™ Scotch® Flatback Masking Tape 250

Product Description
Scotch® Flatback Masking Tape 250 is used for bundling and holding applications where a stronger paper backing is needed.

Product Features
- Aggressive rubber adhesive provides instant adhesion to a wide variety of surfaces.
- The treated flat stock backing has good tensile strength to resist breakage.
- Special backsize treatment provides easy to use controlled unwind.
- Not recommended for outdoor exposure as it may become difficult to remove.
3M™ Scotch® Flatback Masking Tape 250

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**

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Tan</td>
<td></td>
</tr>
<tr>
<td>Total Tape Thickness</td>
<td>0.15 mm</td>
<td>6 mil</td>
</tr>
<tr>
<td>Backing</td>
<td>Flat Stock Paper</td>
<td></td>
</tr>
<tr>
<td>Adhesive</td>
<td>Rubber</td>
<td></td>
</tr>
</tbody>
</table>

**Typical Performance Characteristics**

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Method</th>
<th>Substrate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peel Adhesion</td>
<td>8.5 N/cm</td>
<td>78 oz/in</td>
<td>ASTM D3330</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>103 N/cm</td>
<td>944 oz/in</td>
<td>ASTM D3759</td>
</tr>
<tr>
<td>Elongation at Break</td>
<td>4 %</td>
<td></td>
<td>ASTM D3759</td>
</tr>
<tr>
<td>Temperature Use Range</td>
<td>Removes cleanly after 30 minutes up to 52 °C</td>
<td>Removes cleanly after 30 minutes up to 125 °F</td>
<td></td>
</tr>
</tbody>
</table>

**Available Sizes**

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Roll Length</td>
<td>54.8 m</td>
</tr>
</tbody>
</table>
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Handling/Application Information

Application Ideas

• Holding, bundling and wrapping applications for a wide variety of materials where a stronger paper backing is needed.
• Scotch® Flatback Masking Tape 250 can be certified to meet ASTM D 6123 / D 6123M-97.
• PPP-T42C Type II and CID-A-A-8838B are obsolete standards which have been replaced by ASTM D 6123 / D 6123M-97.
• 3M no longer qualifies Scotch® Flatback Masking Tape 250 to meet the inactive specification MIL-F-18264D.
• Scotch® Flatback Masking Tape 250 has been used to conduct testing according to ASTM D-3359; however, this test method does not endorse or suggest that any particular tape must be used.

Storage and Shelf Life

Store under normal conditions of 70°F (21°C) and 50% R.H. in the original carton. To obtain best performance, use within 18 months from date of manufacture.

Trademarks

Scotch is a registered trademark of 3M.

References

1. 3m.com Product Page
2. Safety Data Sheet

ISO Statement

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.
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Technical Information

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