Scotch® High-Temperature Masking Tape 213

Technical Data

Product Description
Scotch® Tape 213 is a very high-temperature resistant tape for use in masking and holding applications where temperatures reach 350°F (177°C) up to 30 minutes. This tape is generally the most transfer-resistant adhesive of all the 3M paper tapes, as the firm adhesive does not anchor itself as softer adhesives often do.

Construction

<table>
<thead>
<tr>
<th>Backing</th>
<th>Adhesive</th>
<th>Color</th>
<th>Standard Roll Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crepe paper</td>
<td>Rubber</td>
<td>Tan</td>
<td>60 yds. (54.8 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>34 oz./in. width (37 N/100 mm)</td>
<td>D-3330</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>27 lbs./in. width (480 N/100 mm)</td>
<td>D-3759</td>
</tr>
<tr>
<td>Elongation at Break</td>
<td>10%</td>
<td>D-3759</td>
</tr>
<tr>
<td>Thickness</td>
<td>6.0 mils (.152 mm)</td>
<td>D-3652</td>
</tr>
<tr>
<td>Temperature Use Range</td>
<td>Up to 350°F (177°C) up to 30 minutes</td>
<td></td>
</tr>
</tbody>
</table>

Features

- Highly cured rubber adhesive for excellent high-temperature holding and adhesive transfer resistance to keep edge lifting minimized to help reduce rework and labor.
- Specially treated crepe paper backing that is sliver resistant, conformable, easy tear, and solvent and moisture resistant to help reduce waste and labor.
- Special backsize treatment to controlled unwind for easy use that helps reduce waste.
- Designed for indoor use only as it should not be subjected to outdoor exposure or prolonged periods of sunlight as tape may become very difficult to remove.
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213

Application Information

- The firm adhesive often makes Scotch® Tape 213 ideal for use on aluminum anodized surfaces.
- Scotch® Tape 213 should be considered whenever treated metals, such as aluminum, are encountered and whenever a bake cycle exceeds one hour at 300°F (149°C) or a moderate tack tape is desired.
- Scotch® Tape 213 has been laboratory tested on painted steel panels and found to remove cleanly at bake temperatures up to 350°F (177°C) for 30 minutes. The actual temperature and time performance may be higher or lower for a given application. Clean removal can vary dependent on surface type, processing conditions such as multiple bakes, type of paint involved as well as the temperature of the surface at removal. We recommend testing the product under your conditions to determine your performance limits.

Storage

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

Shelf Life

To obtain best performance, use this product within 12 months from date of manufacture.

Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

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3M Industrial Adhesives and Tapes Division

3M Center, Building 225-3S-06
St. Paul, MN 55144-1000
800-362-3550 • 877-369-2923 (Fax)
www.3M.com/industrial

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