Medical Permanent Acrylic Adhesives
P1500 • P1510

Product Description

3M™ Medical Permanent Acrylic Adhesives P1500 and P1510 demonstrate excellent peel and tack performance and are designed for use in the medical attachment market.

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.

Adhesion properties determined per TLMI Method using 1.0 mil polyester with 1.0 mil of adhesive on a stainless steel panel.

<table>
<thead>
<tr>
<th>Peel Adhesion</th>
<th>3M adhesive P1500</th>
<th>2.0 lbs./in. (387 N/m) TLMI Method 180° Peel, 12&quot;/min., 1&quot; wide sample</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3M adhesive P1510</td>
<td>2.5 lbs./in. (435 N/m) TLMI Method 180° Peel, 12&quot;/min., 1&quot; wide sample</td>
</tr>
<tr>
<td>Loop Tack</td>
<td>3M adhesive P1500</td>
<td>1.9 lbs./in. (333 N/m) TLMI Method 180° Peel, 12&quot;/min., 1&quot; wide sample</td>
</tr>
<tr>
<td></td>
<td>3M adhesive P1510</td>
<td>1.8 lbs./in. (316 N/m) TLMI Method 180° Peel, 12&quot;/min., 1&quot; wide sample</td>
</tr>
<tr>
<td>Shear</td>
<td>3M adhesive P1500</td>
<td>1.2 hours TLMI Method, 0.25 in² x 500g</td>
</tr>
<tr>
<td></td>
<td>3M adhesive P1510</td>
<td>1.0 hours TLMI Method, 0.25 in² x 500g</td>
</tr>
<tr>
<td>Application Temperature</td>
<td>3M adhesive P1500</td>
<td>15°F to 120°F (-9°C to 49°C)</td>
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<tr>
<td></td>
<td>3M adhesive P1510</td>
<td>40°F to 120°F (5°C to 49°C)</td>
</tr>
<tr>
<td>Service Temperature*</td>
<td>3M adhesive P1500</td>
<td>-20°F to 250°F (-29°C to 121°C)</td>
</tr>
</tbody>
</table>

*Actual service temperature is a function of the entire construction, including the facestock. Care should be taken to match facestock temperature limitations with the label application requirements.

Features

- Excellent peel and tack
- Suitable for direct skin contact
- Adhesive dry ingredients are listed by FDA as indirect food contact additives when used in food packaging with minimum opportunity for exposure. See 21 CFR 175.105.
- Meets CONEG requirements

Application Ideas

- Medical/bandages
- Temporary tattoos
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Recommended Substrates
- Direct skin
- Stainless steel

Storage Conditions
Store under normal conditions of 70°F (21°C) and 50% relative humidity. To minimize the effects of humidity on the products, package the die-cut and printed stock in polyethylene bags. Low density polyethylene (2-4 mils) can help prevent humidity penetration.

Shelf Life
To obtain best performance, use this product within two years from the date of manufacture.

Product Use
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This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.