# Removable White Polypropylene Durable Label Material

**FP016902 • FP016903**

## Technical Data

### Product Description

3M™ Removable White Polypropylene Durable Label Materials are white opaque materials that offer excellent durability and moisture resistance. These label products utilize 3M™ Adhesive R3500, which is an ultra removable acrylic designed for use on smooth surfaces such as glass, metal, and plastic (including polystyrene) and offers excellent UV resistance, good initial tack, and long term adhesion with clean removability and is an excellent alternative to static cling.

Note: As a removable adhesive, performance may vary depending upon the substrate to which it is applied. Therefore, extensive testing should be conducted prior to use and textured surfaces should be avoided. Not appropriate for children’s toy or sticker applications.

### Construction

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Facestock</th>
<th>Adhesive</th>
<th>Liner</th>
</tr>
</thead>
<tbody>
<tr>
<td>3M™ Removable White Polypropylene Durable Label Material FP016902</td>
<td>.0023 in. White Polypropylene TC2S</td>
<td>R3500</td>
<td>50# SC 3.1 mil semi-bleached super calendered kraft sheet</td>
</tr>
<tr>
<td>3M™ Removable White Polypropylene Durable Label Material FP016903</td>
<td>.0023 in. White Polypropylene TC2S</td>
<td>R3500 Rem. 16</td>
<td>78# CCK 4.7 mil stabilized clay coated two side kraft sheet</td>
</tr>
</tbody>
</table>

(Calipers are nominal values)
# 3M™ Removable White Polypropylene Durable Label Materials

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### Typical Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Methodology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peel Adhesion</td>
<td>Approx. 2.5 oz./in. (27 N/m)</td>
<td>TLMI Method, 180° Peel, 12&quot;/min., 1&quot; wide</td>
</tr>
<tr>
<td>Loop Tack</td>
<td>Approx. 0.5 lbs./in. (88 N/m)</td>
<td>TLMI Method, 12&quot;/min., 1&quot; wide sample</td>
</tr>
<tr>
<td>Shear</td>
<td>N/A</td>
<td>TLMI Method, 1 in. x 1000g</td>
</tr>
<tr>
<td>Adhesive Coat Weight</td>
<td>1.55 g/100 in. ± 10%</td>
<td>3M Method E10MFP01</td>
</tr>
<tr>
<td>Release Range</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FP016902</td>
<td>15 to 50 g/2 in.</td>
<td>TLMI Method, 180° removal, 300 in./min.</td>
</tr>
<tr>
<td>FP016903</td>
<td>30 to 100 g/2 in.</td>
<td>TLMI Method, 180° removal, 300 in./min.</td>
</tr>
<tr>
<td>Service Temperature</td>
<td>-20°F to 140°F (-29°C to 60°C)</td>
<td></td>
</tr>
<tr>
<td>Application Temperature</td>
<td>40°F to 110°F (5°C to 43°C)</td>
<td></td>
</tr>
</tbody>
</table>

### Features

- Liner for 3M™ Removable White Polypropylene Durable Label Materials FP016902 is designed for high-speed die cutting and matrix stripping. Not recommended for sheet on press applications.
- Liner for 3M™ Removable White Polypropylene Durable Label Material FP016903 is excellent for sheet on press applications where additional strength and stiffness is required. The backside of this sheet is printable.

### Printing

Topcoated to accept most film ink systems.
3M™ Removable White Polypropylene
Durable Label Materials
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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.

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