3M™ Circuit Plating Tape 1280

Technical Data

Product Description
3M™ Circuit Plating Tape 1280 is a polyester film tape with unique adhesive for printed circuit board masking during electroplating.

Product Construction

<table>
<thead>
<tr>
<th>Backing</th>
<th>Adhesive</th>
<th>Color</th>
<th>Standard Roll Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyester</td>
<td>Blended silicone and rubber</td>
<td>Red</td>
<td>72 yds. (65 m)</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>144 yds. (132 m)</td>
</tr>
</tbody>
</table>

Technical Data

<table>
<thead>
<tr>
<th>ASTM Test Method</th>
<th>Adhesion to Steel: 31 oz./in. width (33.9 N/100 mm)</th>
<th>Tensile Strength (Break or Yield): 30 lbs./in. width (525.4 N/100 mm)</th>
<th>Elongation (Break or Yield): 135%</th>
<th>Backing Thickness: 0.9 mil (0.02 mm)</th>
<th>Total Tape Thickness: 3.6 mils (0.091 mm)</th>
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<tr>
<td>D-3330</td>
<td>D-3759</td>
<td>D-3759</td>
<td>D-3652</td>
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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.

Features

- Low stretch polyester film for machine, as well as hand application.
- Solvent clean up of the board is recommended to facilitate subsequent soldering.
- Polyester backing reduces stretch and recovery of tape and associated uneven stop-off line.
- Thick adhesive coating reduces undercutting because adhesive helps block out solutions between fingers.

Application Techniques

- Must be firmly pressed down by equipment with rubber-covered rollers. Hand rolling usually does not provide enough pressure. A vivid outline of the circuit leads usually indicates that adequate pressure was used.
- Tape generally performs better when no ovens are used to heat tape and boards.

Application Ideas

- Masking of many printed wiring boards during solder stripping and precious metal plating of fingers.
- Splicing of silicone treated papers.
**Storage**

Store under normal conditions of 60°F to 80°F (16°C to 27°C) and 50% R.H. in the original carton.

**Shelf Life**

To obtain best performance, use this product within 18 months from date of manufacture.

**Product Use**

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