3M™ PTFE Film Tape 5490 uses an extruded polytetrafluoroethylene (PTFE) film backing. This tape offers an extremely low coefficient of friction which, in combination with a pressure sensitive silicone adhesive, creates a smooth, non-stick surface over a variety of substrates to assist in the movement of materials in many types of applications.

Key Characteristics
- Slippery, low energy surface for smoother material movement
- High temperature resistance
- Chemical resistant
- Conformable
- Protects surfaces
- Non-stick backing

Use For
- Wrapping web rollers to reduce friction
- Covering web former edges to minimize friction during folding
- Noise reduction of parts where surfaces rub together
- Increasing wear life of parts
- Providing excellent mold release in composite bonding

Technical Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adhesive</td>
<td>Silicone</td>
</tr>
<tr>
<td>Backing</td>
<td>PTFE</td>
</tr>
<tr>
<td>Backing Thickness</td>
<td>2.0 mils (0.05mm)</td>
</tr>
<tr>
<td>Total Thickness</td>
<td>3.7 mils (0.09mm)</td>
</tr>
<tr>
<td>Temperature Use Range</td>
<td>-65°F to 500°F (-54°C to 260°C)</td>
</tr>
</tbody>
</table>
Specialty Six

Bringing better ideas to the surface with a wide variety of tape solutions.

3M™ Specialty Tape Solutions meeting application challenges for appliances, aerospace, automotive, construction, MRO, electronics, commercial transport, marine and more.

- **3M™ Aluminum Foil Tape 425**
- **3M™ Polyester Tape 850**
- **3M™ Vinyl Tape 471**
- **3M™ PTFE Film Tape 5490**
- **3M™ Glass Cloth Tape 361**
- **3M™ UHMW-PE Tape 5423**

For more information, call **1-800-362-3550** or visit [3M.com/IATD](http://3M.com/IATD)

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