Scotch® High Strength Filament Tapes
featuring Modified Synthetic Rubber (MSR) Adhesive

Strength & Sustainability without Compromise

Powerful oily metal adhesion that’s better for the environment*

*MSR Adhesive uses a solventless adhesive coating process
Natural Rubber Adhesives have long been the preferred choice for metal coil tabbing, splicing and other tape applications involving oily metal surfaces—until now. 3M introduces a portfolio of products utilizing a proprietary breakthrough technology: Modified Synthetic Rubber (MSR) Adhesive. The MSR Adhesive formulation is specifically designed to meet the performance you need in critical metal applications.

**Strength and Sustainability Without Compromise:**
- Approximately 50% higher adhesion when compared to Natural Rubber (NR) after a dwell time of 2 minutes, with continued performance over longer dwell times
- Shear strength is equal to or better than natural rubber adhesive
- MSR uses a solventless adhesive coating process, making it another 3M innovation that builds on our legacy and commitment to cut VOCs and other air emissions

### Relative Adhesion to Oily Metal

<table>
<thead>
<tr>
<th>Dwell Time to Oily Panel</th>
<th>Modified Synthetic Rubber (MSR) % of Adhesion</th>
<th>Natural Rubber (NR) % of Adhesion</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 min</td>
<td>300.0</td>
<td>250.0</td>
</tr>
<tr>
<td>1 day</td>
<td>200.0</td>
<td>150.0</td>
</tr>
<tr>
<td>1 day</td>
<td>150.0</td>
<td>100.0</td>
</tr>
<tr>
<td>1 day</td>
<td>100.0</td>
<td>50.0</td>
</tr>
<tr>
<td>1 day</td>
<td>50.0</td>
<td>0.0</td>
</tr>
</tbody>
</table>

**Scotch® High Strength Filament Tapes featuring MSR Adhesive: Product Selector**

- **890MSR**
  - Ideal for heavy-gauge metals
  - Also available in UV-resistant black
  - Tensile strength: 600 lbs./in.
- **8919MSR**
  - Thicker backing for better dispensability and handling
  - Tensile strength: 380 lbs./in.
- **880MSR**
  - Polyester filaments provide the best cut resistance
  - Tensile strength: 270 lbs./in.

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