FLUOROWRAP® R128 and R129 Extruded PTFE Films are engineered for use as the primary insulation in high temperature wire and cable and wall construction of convoluted hoses. FLUOROWRAP® R128 and R129 are designed for the most demanding applications requiring high performance and tight tolerances while providing excellent dielectric strength, thermal and chemical resistance.

Features/Benefits
• High dielectric strength
• Outstanding thermal and chemical resistance
• Meets MIL-W-16878/4A, 7139B, MIL-W-22759B and NAS703
• RoHS and REACH compliant

Availability
FLUOROWRAP® R128 is available in white and natural. FLUOROWRAP® R129 is available in a wide range of colors. FLUOROWRAP® R128 and R129 Extruded films are available on industry standard 3” (76 mm) ID cores in-flat pad, traverse wound or StabEdge™ packages. Customized solutions available.

Applications
• Wire and cable insulation for extreme chemical and thermal environments
• Power cable
• Coaxial cable
• Thermocouple wire
• Convoluted hose constructions
### FLUOROWRAP® R128 and R129 Properties

Performance tests are run using standard test procedures. The values presented are typical values and should not be used for specification purposes.

<table>
<thead>
<tr>
<th>Property</th>
<th>English Units</th>
<th>Metric Units</th>
<th>English Units</th>
<th>Metric Units</th>
<th>English Units</th>
<th>Metric Units</th>
<th>English Units</th>
<th>Metric Units</th>
<th>English Units</th>
<th>Metric Units</th>
<th>English Units</th>
<th>Metric Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>2.0 mil</td>
<td>0.051 mm</td>
<td>3.0 mil</td>
<td>0.076 mm</td>
<td>4.0 mil</td>
<td>0.102 mm</td>
<td>5.0 mil</td>
<td>0.127 mm</td>
<td>10.0 mil</td>
<td>0.254 mm</td>
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<tr>
<td>Density</td>
<td></td>
<td>1.6 g/cm²</td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>Tensile Strength MD (minimum)</td>
<td>2,500 psi</td>
<td>17.2 MPA</td>
<td>2,300 psi</td>
<td>15.8 MPA</td>
<td>2,200 psi</td>
<td>15.2 MPA</td>
<td>1,900 psi</td>
<td>13.1 MPA</td>
<td>1,000 psi</td>
<td>6.9 MPA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tensile Strength TD (minimum)</td>
<td>250 psi</td>
<td>1.7 MPA</td>
<td>275 psi</td>
<td>1.9 MPA</td>
<td>350 psi</td>
<td>2.4 MPA</td>
<td>350 psi</td>
<td>2.4 MPA</td>
<td>375 psi</td>
<td>2.6 MPA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elongation MD (minimum)</td>
<td>75 %</td>
<td>125 %</td>
<td>125 %</td>
<td>150 %</td>
<td>300 %</td>
<td></td>
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<tr>
<td>Approximate Yield</td>
<td>60.2 ft²/lb</td>
<td>12.3 m²/kg</td>
<td>40.1 ft²/lb</td>
<td>8.2 m²/kg</td>
<td>30.1 ft²/lb</td>
<td>6.2 m²/kg</td>
<td>24.1 ft²/lb</td>
<td>4.9 m²/kg</td>
<td>12.0 ft²/lb</td>
<td>2.5 m²/kg</td>
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<td></td>
</tr>
</tbody>
</table>

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