GET THE API ADVANTAGE . . .

AP-SILANE 81

AP-SILANE 81 is a γ-Mercaptopropyl trimethoxy silane coupling agent. AP-SILANE 81 has both organic and inorganic reactivity. Due to its unique functionality AP-SILANE 81 will impart superior adhesion and strength properties.

CHEMICAL STRUCTURE

\[
\text{HSC}_3H_6\text{Si(OCH}_3)_3
\]

CHARACTERISTICS

- Improved adhesion of rubber to inorganic substrates.
- Increased composite wet and dry tensile and modulus.
- Increased flexural strength.
- Increased wet and dry compressive strength.

APPLICATION

AP-SILANE 81 is recommended for use in applications involving bonding of rubber to inorganic substrates such as steel or fiberglass composites.

PACKAGING

AP-SILANE 81 is available in 4 oz. samples and 441-lb. drums.

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TYPICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear liquid</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>196.4</td>
</tr>
<tr>
<td>Specific Gravity (@ 25°C)</td>
<td>1.06</td>
</tr>
<tr>
<td>Purity</td>
<td>&gt;98.0%</td>
</tr>
<tr>
<td>Refractive Index (@ 25°C)</td>
<td>1.440</td>
</tr>
<tr>
<td>Minimum Coverage Area</td>
<td>398 m²/g</td>
</tr>
</tbody>
</table>

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