Technical Data Sheet: SMA® 2000 HLS Solution

**STYRENE MALEIC ANHYDRIDE COPOLYMER SOLUTION**

SMA® 2000 H is an aqueous solution of the ammonia salt of SMA 2000. SMA 2000 HLS is a lower solids solution of SMA 2000 that is especially useful in lower viscosity applications.

**PRODUCT HIGHLIGHTS**
SMA® Resin which balances higher styrene content with solubility in aqueous base

**PERFORMANCE PROPERTIES**
Moderate solution solids
Heat resistance
High gloss

**SUGGESTED APPLICATIONS**
Emulsion polymerization
Paper sizing
Polymer modification
Chemical intermediate

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**SMA® 2000 HLS Solution**

**TYPICAL PHYSICAL AND CHEMICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear liquid</td>
</tr>
<tr>
<td>Solids, wt.%</td>
<td>16</td>
</tr>
<tr>
<td>Color, Gardner scale</td>
<td>1</td>
</tr>
<tr>
<td>Resin Molecular Weight, $M_n$</td>
<td>3000</td>
</tr>
<tr>
<td>Resin Molecular Weight, $M_w$</td>
<td>7500</td>
</tr>
</tbody>
</table>

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