Technical Data Sheet: SMA® 1000 HNa Solution

**STYRENE MALEIC ANHYDRIDE COPOLYMER SOLUTION**

![Chemical structure of SMA® 1000 HNa solution](image)

**DESCRIPTION**
SMA® 1000HNa is an aqueous solution of the sodium salt of SMA 1000.

**PRODUCT HIGHLIGHTS**
- High solids, Low viscosity solution
- Very low VOC

**PERFORMANCE PROPERTIES**
- Heat resistance
- High gloss
- Excellent surfactant
- High reactivity
- Freeze thaw stable

**SUGGESTED APPLICATIONS**
- Emulsion polymerization
- Overprint varnishes
- Inks
- Textile treatment
- Leather treatment
- Carpet cleaners
- Polymer modification
- Adhesives

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### SMA® 1000 HNa Solution

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TYPICAL PHYSICAL AND CHEMICAL PROPERTIES</strong></td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear liquid</td>
</tr>
<tr>
<td>Solids, wt.%</td>
<td>40</td>
</tr>
<tr>
<td>Color, Gardner scale</td>
<td>1</td>
</tr>
<tr>
<td>Resin Molecular Weight, Mₙ</td>
<td>2000</td>
</tr>
<tr>
<td>Resin Molecular Weight, Mₚ</td>
<td>5500</td>
</tr>
</tbody>
</table>

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