Vinamul® 8828

Vinyl acetate emulsion for SMC, BMC and DMC rovings

Cross-linkable vinyl acetate based emulsion for SMC, BMC and DMC rovings

Vinamul 8828 is a highly efficient sizing binder for the manufacture of SMC, BMC and DMC rovings. Due to its cross-linking ability, the solubility of the binder in styrenated resins is delayed which makes the product very suitable for these applications. The cross-linking process is initiated by applying heat (>120°C) or adding an acid catalyst.

Vinamul 8828 is highly compatible with Vinamul 8852 and the two products can be combined to achieve the optimal styrene solubility profile.

**Typical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity</td>
<td>3000-8000 mPas</td>
</tr>
<tr>
<td>Solids</td>
<td>50.5-52.5 %</td>
</tr>
<tr>
<td>pH</td>
<td>4.5 – 5.5</td>
</tr>
<tr>
<td>PSD</td>
<td>1 µm</td>
</tr>
<tr>
<td>Tg</td>
<td>42°C</td>
</tr>
<tr>
<td>Acetone solubility</td>
<td>&lt;70 %</td>
</tr>
</tbody>
</table>

**Key features:**

- High sizing efficiency
- Low styrene solubility
- Slow wet-out in styrenated polyester resins
- Good colour
- Good compatibility with sizing additives, like organo silanes, lubricants, coalescent agents and polyester emulsions

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