Carfil® ST11

Aqueous Polyurethane Dispersion

Technical Data Sheet

Name: Carfil®ST11
Revision Date: 2018-7-25
NO. WHSM_ST11 Version: 1.1

Product Description

INCI Name: Polyurethane-35(and) Polyurethane-11

Carfil®ST11 is an aqueous anionic aliphatic polyurethane dispersion. It offers outstanding results in mask product. Carfil®ST11 is easy to use, especially suitable for cold processes. The product also shows good compatibility with a broad range of cosmetic ingredients. Preservative: 2-phenoxyethanol 6500-7500 ppm and 1,2-Octanediol 2500-3500 ppm. The effects of other substances and pH values on the inactivation of preservative should be noted.

Properties

1. Excellent water resistance
2. Non-greasy and non-sticky feel on skin
3. Good film-formation
4. Easy to remove

Characteristic data*

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Unit</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Milky white liquid</td>
<td></td>
<td>Visual</td>
</tr>
<tr>
<td>Solids</td>
<td>45.5±1.5</td>
<td>wt %</td>
<td>WHPU/T011-517-2017 (5cm, 150°C, 20min)</td>
</tr>
<tr>
<td>PH</td>
<td>6.0-9.0</td>
<td></td>
<td>GB/T 6920-1986</td>
</tr>
<tr>
<td>Viscosity(25°C)</td>
<td>10-2000</td>
<td>mPa·s</td>
<td>GB/T 2794-2013 (63/60/LV)</td>
</tr>
<tr>
<td>MFFT</td>
<td>Approx. 5</td>
<td>°C</td>
<td>GB/T 9267-2008</td>
</tr>
</tbody>
</table>

*These properties are typical but do not constitute specifications.

Storage
Carfil® ST11

The product should be stored in dry condition between 5~35°C with the integrity of the packaging, and prevented from direct sunlight. The validity of this product is for 9 months, performance assessment is recommended before use after shelf life. The product should be protected from freezing during storage. It is suggested to filter before application and use up once the package is open.

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