Carfil® 9120NP

Acrylic Copolymer Emulsion

Technical Data Sheet

Name: Carfil® 9120NP
Revision Date: 2019-7-18

Product Description

INCI Name: Styrene/acrylates copolymer

Carfil® 9120NP functions as a film former for personal care product such as mask, sun care, eyeliner and mascara. Carfil® 9120NP 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 1300-1500 ppm and 1,2-Octanediol 500-700 ppm. The effects of other substances and pH values on the inactivation of preservative should be noted.

Properties

1. Outstanding water resistance
2. Good film-formation
3. Easily removed

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 emulsion</td>
<td></td>
<td>Visual</td>
</tr>
<tr>
<td>Solids</td>
<td>47-49</td>
<td>wt%</td>
<td>WHPU/T011-571-2017 (5cm 150°C, 20min)</td>
</tr>
<tr>
<td>pH</td>
<td>7.0-9.0</td>
<td></td>
<td>GB/T 6920-1986</td>
</tr>
<tr>
<td>Viscosity(25°C)</td>
<td>200-700</td>
<td>mPa·s</td>
<td>GB/T2794-2013 (62/30/LV)</td>
</tr>
<tr>
<td>$T_g$</td>
<td>0.8</td>
<td>°C</td>
<td>GB/T 22567-2008</td>
</tr>
</tbody>
</table>

*These properties are typical but do not constitute specifications.

Storage

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 12 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.
**Carfil® 9120NP**

**Disclaimer:** Wanhua Chemical Group Co., LTD. recommends that customers should check with Materials Safety Data Sheet (MSDS) for details about safety instructions. We also suggest that you contact the suppliers of other materials used in our recommended formulations and consult appropriate health and safety regulations prior to use. The information contained herein is believed to be reliable. However, nothing in this technical sheet should be considered as a representation of warranty, express or implicit, regarding the product characteristics, application, quality, safety, merchantability or fitness for a particular purpose. Nothing contained herein is to be considered as permission, recommendation, nor as an inducement to practice any patented invention without permission of the patent owner.