Carfil® 9236NP

Aqueous modified polyurethane dispersion

Technical Data Sheet

Name: Carfil® 9236NP
Revision Date: 2019-11-25

Product Description

INCI Name: Soybean Glycerides (and) Polyurethane-2

Carfil® 9236NP is aqueous oil modified polyurethane dispersion using in water-based nail polish. It has good wetting ability on nail, also has good film building and film clarity. It shows excellent adhesion on nail. The product also shows good compatibility with a broad range of cosmetic ingredients. It has good stability and compatibility with dyes when used in nail polish. Bactericide: 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 biocide should be noted.

Properties

1. Good wetting and clarity;
2. Good adhesion on nail;
3. Fast film hardness development;
4. Good compatibility with dye.

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>Translucent to milky white liquid</td>
<td>Visual</td>
<td></td>
</tr>
<tr>
<td>Solids</td>
<td>34 - 36</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>10 - 500</td>
<td>mPa·s</td>
<td>GB/T 2794-2013, Brookfield LV,62#/30rpm</td>
</tr>
</tbody>
</table>

*These properties are typical but do not constitute specifications.
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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 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.

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.