Vesmody® C40
Acrylic Copolymer

Technical Data Sheet

Name: Vesmody® C40
Revision Date: 2019-07-31

Product Description

Vesmody® C40 is a highly effective acrylic copolymer dispersant with the advantage of reducing abrasive viscosity, improving storage stability, and increasing gloss and water resistance. Vesmody® C40 has good compatibility with coating system. And it can be used in waterborne coatings, papermaking industry and water-based ink and other fields. Solvent: water. Biocide: (CMIT/MIT = 3:1) 0.049‰, MIT 0.240‰.

Properties

1. Low odor and environment-friendly
2. Low mill base viscosity for efficient dispersion
3. Highly compatible with thickeners
4. Low flammability

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>light yellowish, clear liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight Solids</td>
<td>24-26</td>
<td>%</td>
<td>WHPU/T011-571-2017 (5cm,150°C,60min)</td>
</tr>
<tr>
<td>pH</td>
<td>8.0-10.0</td>
<td></td>
<td>GB 6920-1986</td>
</tr>
<tr>
<td>Viscosity</td>
<td>≤500</td>
<td>mPa·s</td>
<td>Brookfield LV, 62#/60rpm, 25°C</td>
</tr>
<tr>
<td>Density</td>
<td>1.03-1.13</td>
<td>g/cm³</td>
<td>GB/T 4472-2011</td>
</tr>
<tr>
<td>Ingredient</td>
<td>acrylic copolymer</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*These properties are typical but do not constitute specifications.
Instructions for use

Vesmody® C40 is a flowable liquid and easy to be added. Before using, it is suggested that the pH value should be adjusted to 7.0-9.0. Vesmody® C40 should be preferably added to water before the pigment incorporation. The optimum level is determined for each pigment blend by plotting the graph of the viscosities of the pigment dispersion in water, versus the amount of dispersant. The level of dispersant corresponding to the minimum viscosity is chosen. The required amount varies from 0.1% to 4.0% of active ingredients based on the total weight of the pigments and fillers.

Storage

The product should be stored in dry conditions above 5°C and below 35°C with the integrity of the packaging, and prevent 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. After opening the packing, suggested to use up one time.

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