Vesmody® C20

Polyacrylate Sodium Dispersant

Technical Data Sheet

Name: Vesmody® C20
Revision Date: 2018-10-09

Product Description

Vesmody® C20 is a polymeric carboxylic acid pigment dispersant. It can be used for a wide variety of coating formulations. It is a very low foaming dispersant and is very efficient to disperse mineral slurries. Vesmody® C20 has good compatibility with coating system. 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 0.24‰.

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>Pale yellowish, clear liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight Solids</td>
<td>41-43</td>
<td>%</td>
<td>WHPU/T011-571-2017 (5cm,150°C,60min)</td>
</tr>
<tr>
<td>pH</td>
<td>6.0-8.0</td>
<td></td>
<td>GB 6920-1986, 25°C</td>
</tr>
<tr>
<td>Viscosity</td>
<td>≤1000</td>
<td>mPa·s</td>
<td>Brookfield LV, 62#/60rpm, 25°C</td>
</tr>
<tr>
<td>Density</td>
<td>1.05</td>
<td>g/cm³</td>
<td>GB/T 4472-2011, 25°C</td>
</tr>
<tr>
<td>Ingredient</td>
<td>Sodium salt of polymeric carboxylic acid</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**Vesmody® C20** is low viscosity and easy to be added. Before using, you’d best adjust the PH value of system 7-9. Vesmody® C20 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 1.0% 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.

**Disclaimer:** Wanhua Chemical Group Co., LTD. recommends that any customers of this material should check with Materials Safety Data Sheet (MSDS) for details about safely handling this material. We also suggest that you contact the suppliers of any other materials used in our recommended formulations and suggestions for 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.