Vesmody® A801

Alkali-Swellable Emulsion

Technical Data Sheet

Name: Vesmody® A801
Revision Date: 2019-05-17

Product Description

Vesmody® A801 is an alkali swellable anionic acrylic polymer emulsion (ASE) thickener. It is effective in improving low shear rate (Brookfield) viscosity. It can improve the anti-settlement of the system. Use of Vesmody® A801 alone or combination with other thickeners can yield good results. Solvent: water. Biocide: (CMIT/MIT = 3:1) 0.049‰.

Properties

1. Low odor
2. Good thixotropy and high thickening efficiency
3. Excellent anti sagging and splash resistance
4. Good thermal stability
5. Anti-microbial and enzyme invasion

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></td>
</tr>
<tr>
<td>Weight Solids</td>
<td>28-30</td>
<td>%</td>
<td>WHPU/T011-571-2017</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(5cm,150°C,20min)</td>
</tr>
<tr>
<td>pH</td>
<td>2.0-4.0</td>
<td></td>
<td>GB 6920-1986, 25°C</td>
</tr>
<tr>
<td>Viscosity</td>
<td>≤100</td>
<td>mPa·s</td>
<td>Brookfield LV, 61#/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>
</tbody>
</table>

*These properties are typical but do not constitute specifications.

Instructions for use

Vesmody® A801 is low viscosity and easy to be added. Before using, you’d best adjust the pH value of system 8-9 and dilute the product with water as 1:2. Depending on the character and amount of the emulsion as well as filler and pigment, the amount of the addition is variable, probably 3-5% by weight of the formulation in its supplied form. The exact amount required in each formulation should be determined by pre-trials.
Vesmody® A801

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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