Tekspro® 5186

Acrylic copolymer emulsion

Technical Data Sheet

Name: Tekspro® 5186  
Revision Date: 2019-05-16  
NO.WHSM_5186  
Version: 1.1

Product Description

Tekspro® 5186 is an anionic acrylic emulsion with excellent stiffness high gloss and toughness for textile coating. Neutralizer: ammonia water <1%. Biocide: CMIT/MIT 3:1 49ppm and MIT 240ppm.

Properties

1. Excellent stiffness
2. Good tear strength, yarn-fastness
3. High gloss

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>39-41</td>
<td>%</td>
<td>WHPU/T011-571-2017</td>
</tr>
<tr>
<td>pH</td>
<td>7.0-8.0</td>
<td></td>
<td>GB/T 6920-1986</td>
</tr>
<tr>
<td>Viscosity</td>
<td>≤500</td>
<td>mPa·s</td>
<td>Brookfield,LV,62#,30rpm,25°C</td>
</tr>
<tr>
<td>Tg</td>
<td>32</td>
<td>°C</td>
<td>ISO 11357-2-1999</td>
</tr>
<tr>
<td>Density</td>
<td>1.02-1.09</td>
<td>g/cm³</td>
<td>GB/T4472-2011</td>
</tr>
</tbody>
</table>

*These properties are typical but do not constitute specifications.

Storage

Tekspro® 5186 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. Tekspro® 5186 freezes at temperatures below 0°C and this will cause irreversible damage. The product should therefore be protected from freezing during storage. The technical properties of the emulsion may change as a result of storage time and storage conditions. This can lead to deviations from the given specifications. Lumps can form during storage and transport of the dispersion due to its film forming nature. A filtration or sieve process is recommended before further processing.
**Tekspro® 5186**

**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.