Tekspro® 5636

Aqueous Polyurethane Dispersion

Technical Data Sheet

Name: Tekspro® 5636
Revision Date: 2019-08-26

Product Description

Tekspro® 5636 is an aqueous polyurethane dispersion that can be used for heat activated aqueous polyurethane adhesives with good bonding strength, cohesion and good heat resistance. It is very suitable for heat activated bonding in the field of PVC calendaring. Solvent: <1% acetone. Biocide: CMIT/MIT 3:1 49ppm.

Properties

1. Appropriate heat activated temperature
2. High bonding strength
3. Can be activated twice
4. Good heat tacky

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>Slight brown liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight Solid</td>
<td>39.0-41.0</td>
<td>%</td>
<td>WHPU/T011-571-2017</td>
</tr>
<tr>
<td>pH</td>
<td>7.0-9.0</td>
<td></td>
<td>GB 6920-1986</td>
</tr>
<tr>
<td>Viscosity</td>
<td>0-300</td>
<td>mPa·s</td>
<td>Brookfield,LV,62#,30rpm,25℃</td>
</tr>
<tr>
<td>Density</td>
<td>1.02-1.09</td>
<td>g/cm³</td>
<td>GB/T4472-2011</td>
</tr>
<tr>
<td>Activated temperature</td>
<td>~65</td>
<td>°C</td>
<td></td>
</tr>
</tbody>
</table>

*These properties are typical but do not constitute specifications.

Storage

Tekspro® 5636 should be stored in dry conditions above 5°C and below 30°C with the integrity of the packaging, and prevent direct sunlight. The validity of this product is for 3 months, performance assessment is recommended before use after shelf life. Tekspro® 5636 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. Skins and Lumps
Tekspro® 5636

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.

**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.