Technical Datasheet (DA-161)

**PRODUCT SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Inspection Method</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solids content</td>
<td>DCC method</td>
</tr>
<tr>
<td>Viscosity at 25 °C</td>
<td>DCC method</td>
</tr>
<tr>
<td>pH</td>
<td>DCC method</td>
</tr>
</tbody>
</table>

**TYPICAL PROPERTY**

<table>
<thead>
<tr>
<th>Inspection Method</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Film Appearance</td>
<td>Visual</td>
</tr>
<tr>
<td>Tg</td>
<td>DCC method</td>
</tr>
<tr>
<td>Stabilizing System</td>
<td>Polyvinyl Alcohol</td>
</tr>
</tbody>
</table>

**INTRODUCTION**

DA-161 is a non-plasticized aqueous milky white copolymer dispersion based on vinyl acetate and ethylene. After evaporation of its water content, DA-161 forms a flexible film with best adhesive properties for broad applications.

In general, DA-161 is used as general adhesive for packaging, bookbinding, and bonding for plastic films, coated papers.

Furthermore, DA-161 is broadly used as a particularly suitable base emulsion for the formulation of adhesives for difficult substrates, such as lacquered surfaces, foils and plastic films in the packaging and paper industry.

- Good adhesion to various plastic surfaces
- Good re-emulsification
- Easy clean
- Suited for roller and nozzle application
- Good balance between adhesion and heat resistance

**RECOMMENDED APPLICATIONS**

DA-161 is a new generation emulsion suited for shift of roller and wheel applied system towards nozzle application. Its rheology and “easy-clean” properties suited for high machine speeds and lower the coat weight.

DA-161 is suitable for the manufacture of adhesives for difficult substance, such as lacquered surface and plastic films in the packaging and paper industries.

**SAFETY & STORAGE**

In general, DA-161 is considered safe for its intended use. However, as this class of products always contains minor amount of residual vinyl acetate monomers, adequate ventilation is recommended in rooms where DA-161 is handled. Generally when working with polymer emulsions, protective clothes, gloves and also goggles should be used. Splashes on the skin or in the eyes should immediately be removed by irrigation with clean water.

DA-161 should be stored in sheltered areas at temperatures between 5 and 40 °C; do never store under freezing conditions. Soft lumps or skins may tend to be formed during transportation and storage, therefore filtration is recommended before use. If the product is not transferred completely at one time, the user shall take adequate precautionary measures to prevent the possible formation of lumps or skins on the product. Opened containers should be closed soon to prevent skinning. If the product is stored for a longer period, stirring is recommended before use. Shelf life of DA-161 is minimum 6 months, provided the product is stored in original, unopened containers under proper conditions. Stirring is required before utilizing the product if it has been stored for a longer period.

DA-161 is adequately preserved to prevent microbial contamination. However, if the product is kept in original containers which have been opened, or is transferred to other tanks, the product should be added with suitable preservative package to protect it against microbial attack. Equipment and facilities used to transfer the product should also be kept adequately clean. Finished products manufactured from polymer emulsions usually also require preservation.
SAFETY NOTICE

Material Safety Data Sheets are available on request from sales offices or may be printed via website www.dcc.com.

PACKAGING

Iron drum 220Kg/ PE IBC 1.1 MT/ Flexible bag/ road tanker

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