TEXICRYL® 13-220

Acrylic copolymer emulsion

**INTRODUCTION**

TEXICRYL® 13-220 is self crosslinking acrylic copolymer emulsion. Characterized by a very soft flexible film giving after curing, a good resistance to washing on printed textiles.

**CHARACTERISTICS** (Not to be taken as a specification)

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solids content</td>
<td>45 %</td>
</tr>
<tr>
<td>Viscosity at 25°C (Brookfield RVT Spindle 1, 50rpm)</td>
<td>150 mPa s</td>
</tr>
<tr>
<td>pH</td>
<td>4.5</td>
</tr>
<tr>
<td>Particle size</td>
<td>240 nm</td>
</tr>
<tr>
<td>Minimum film formation temperature*</td>
<td>&lt;2 °C</td>
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<tr>
<td>Glass Transition Temperature</td>
<td>-25 °C</td>
</tr>
</tbody>
</table>

* Determined by metal bar with temperature gradient
APPLICATIONS

TEXICRYL® 13-220 gives excellent binding properties for pigments. It can be used for the pigment printing on rotary and flat screen systems.

It's adhesion is excellent on the majority of substrates and it’s flexibility remains good at low temperature.

TEXICRYL® 13-220 is also recommended for manufacture of non-woven and flocking adhesives, either by techniques such as pulverization, full bath, or foaming.

In order to optimise it's cure, in particular at low temperature lower than 110°C, an addition of catalyst can be made:

2% of a solution at 10% of ammonium chloride or 5% of a solution at 10% of hydrogen ammonium phosphate.

TEXICRYL® 13-220 has a non-detectable formaldehyde level according to Oeko-Tex® testing, ISO 14184-1 2011.

PACKAGING

TEXICRYL® 13-220 can be supplied in drums and 1 tonne IBC’s. Bulk deliveries are delivered by road tanker.

STORAGE

TEXICRYL® 13-220 should be stored between 5 and 30°C in the original, unopened container in a dry, well ventilated place. Protect from freezing and direct sunlight.

HEALTH & SAFETY

Please see separate material safety data sheet

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