TEXICRYL® 13-219

Styrene acrylic copolymer emulsion

INTRODUCTION

TEXICRYL® 13-219 is a self-crosslinking styrene acrylic copolymer emulsion for use as a binder in the manufacture of spray-bonded synthetic fibre waddings. This product is also ideal as a stiffener for window blinds.

CHARACTERISTICS (Not to be taken as a specification)

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solids content</td>
<td>%</td>
<td>46</td>
</tr>
<tr>
<td>Viscosity at 25°C (Brookfield RVT Spindle 2, 100rpm)</td>
<td>mPa s</td>
<td>200</td>
</tr>
<tr>
<td>pH</td>
<td></td>
<td>7</td>
</tr>
<tr>
<td>Particle size</td>
<td>nm</td>
<td>150</td>
</tr>
<tr>
<td>Minimum film formation temperature*</td>
<td>°C</td>
<td>15</td>
</tr>
<tr>
<td>Glass Transition Temperature</td>
<td>°C</td>
<td>33</td>
</tr>
</tbody>
</table>

* Determined by metal bar with temperature gradient
### APPLICATIONS

TEXICRYL® 13-219 has been developed for use in surface bonding and through-bonding of synthetic fibre wadding. It will effectively prevent penetration of the fibres through the cover fabric, preserve the high loft of the wadding and facilitate handling during the making-up process. It has excellent heat and light-stability, as well as good wash and dry-clean solvent resistance.

**Drying and Curing**

Cure of emulsion binders is dependent on the polymer type, catalyst concentration, temperature and time. TEXICRYL® 13-219 is supplied ready-catalysed and, after drying, must be cured for 2-3 minutes at 140°C. It is recommended that synthetic fibre waddings processed with TEXICRYL® 13-219 be dried and cured in hot-air ovens with efficient air movement to ensure removal of water vapour during the drying phase. When dried and cured under these conditions, TEXICRYL® 13-219 will confer dry-clean resistance, wash-fastness and good recovery from compression. TEXICRYL® 13-219 has an indefinite pot life at normal spray-bonding concentrations (10-25% solids content).

TEXICRYL® 13-219 has a non-detectable formaldehyde level according to Oeko-Tex® testing, ISO 14184-1 2011.

### PACKAGING

TEXICRYL® 13-219 can be supplied in drums and 1 tonne IBC’s. Bulk deliveries are delivered by road tanker.

### STORAGE

TEXICRYL® 13-219 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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