©Vinnolit EXT
Extender resin for paste making PVC

Brief Description

©Vinnolit EXT is a new generation of homopolymeric extender resin.

By the use of new suspension polymerisation technique the polymer grains have an outstanding even surface and a narrow particle size distribution.

Because of this property the grain absorbs much less plasticizer than a standard extender resin. So Vinnolit EXT reduces the viscosity of plastisols much more than usual extender.

Depending on the recipe Vinnolit EXT reduces the paste viscosity up to 30%. Furthermore Vinnolit EXT reduces dilatancy and also increases the shelf life of the plastisol.

<table>
<thead>
<tr>
<th>Raw Material Properties</th>
<th>Typical Value*</th>
<th>Unit</th>
<th>Test Method DIN EN ISO</th>
<th>ISO</th>
</tr>
</thead>
<tbody>
<tr>
<td>K-value</td>
<td>66</td>
<td>-</td>
<td>1628-2</td>
<td>1628-2</td>
</tr>
<tr>
<td>Reduced viscosity</td>
<td>109</td>
<td>ml/g</td>
<td>1628-2</td>
<td>1628-2</td>
</tr>
<tr>
<td>Apparent bulk density</td>
<td>0.720</td>
<td>g/ml</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td>Particle size distribution: sieve retention retained on 0.100 mm screen</td>
<td>≤ 0.2</td>
<td>%</td>
<td>53195</td>
<td>-</td>
</tr>
<tr>
<td>Volatile matter</td>
<td>≤ 0.3</td>
<td>%</td>
<td>1269</td>
<td>1269</td>
</tr>
</tbody>
</table>

* The values given above are typical test results which should be used as a guide only. They do not form the whole or part of a specification or guarantee.

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Product Information

Processing and Application

Vinnolit EXT is readily incorporated into PVC plastisols by means of a dissolver, without formation of agglomerates. Pastes containing extender resins should preferably not be triple-roll milled since the coarse particles may be retained in the nip. In this special case, we recommend that the pastes be prepared firstly without the extender resin. After milling, Vinnolit EXT can be dispersed into the paste by means of a dissolver.

Vinnolit EXT is used primarily in pastes with low or medium plasticizer content. In such plastisols, it lowers the viscosity, increases the shelf life and reduces dilatancy. Use of an extender allows a larger amount of filler to be added without adversely affecting the paste rheology. Vinnolit EXT generates good mechanical properties such as cold crack, tear strength and elongation at break. Vinnolit EXT is suitable for both compact coatings and mechanically frothed or chemically blown foam. When used in the usual concentrations, it will not adversely affect foam structure or surface texture.

Packaging, Delivery and Storage

The product is supplied in 25 kg bags.

Vinnolit EXT should be stored dry and away from direct or indirect sources of heat. Please consult the safety data sheet for information about the safety precautions necessary for transport, storage, blending and processing.

General Information

Further processing information and recommendations can be obtained from our Technical Service department or our local representatives.

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