®Vinnolit C 12/62 V
Vinyl chloride/vinyl acetate copolymer extender resin for paste application

Brief Description

®Vinnolit C 12/62 V is a copolymeric extender resin having a high vinyl acetate content which has been specially developed for paste making. In blends with paste-making PVC resins, it combines the good viscosity-reducing properties of the homopolymer paste extender resins with the lower gelling temperatures typical of vinyl acetate copolymers.

<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>62</td>
<td>-</td>
<td>1628-2</td>
<td>1628-2</td>
</tr>
<tr>
<td>Reduced viscosity</td>
<td>95</td>
<td>ml/g</td>
<td>1628-2</td>
<td>1628-2</td>
</tr>
<tr>
<td>Vinyl acetate content</td>
<td>12</td>
<td>%</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Apparent bulk density</td>
<td>0.650</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>≤ 0.5</td>
<td>%</td>
<td>53195</td>
<td>-</td>
</tr>
<tr>
<td>Volatile matter</td>
<td>≤ 0.5</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.

*Vinnolit = registered trademark of Vinnolit GmbH & Co. KG, Germany
Processing and Application

Paste containing Vinnolit C 12/62 V should as a rule not be triple-roll milled since the extender resin tends to separate readily in front of the nip. Extenders can be dispersed easily in the paste afterwards.

By incorporating an extender resin such as Vinnolit C 12/62 V processing can be improved as the viscosity is considerably reduced, particularly in low plasticizer content and highly filled plastisols. Furthermore by exchanging part of a copolymer paste resin the shelf life and deaeratability are improved and dilatancy is reduced.

The higher vinyl acetate content of Vinnolit C 12/62 V allows lower gelling temperatures in comparison with Vinnolit SA 1062/7. Furthermore the adhesion to various substrates, such as metal and synthetic fibres is improved.

Vinnolit C 12/62 V is particularly well suited for automotive underbody coatings and sealants, carpet backing and laminating pastes. Like all extender resins Vinnolit C 12/62 V can be processed by all the standard methods, such as coating, dipping, casting and spraying.

C 12/62 V is especially used in automotive underbody coatings and sealants because of the following properties:

- good thixotropic properties
- better adhesion on cataphoretic treated metal (KTL)
- enhanced abrasion
- higher mechanical properties
- even surface
- better spraying properties

Packaging, Delivery and Storage

The product is supplied in 25 kg bags as well as in bulk form.

Vinnolit C 12/62 V 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.