

Preliminary Product Information

Vinnolit

Leadership in PVC

®Vinnolit EXT

Extender resin for paste making PVC

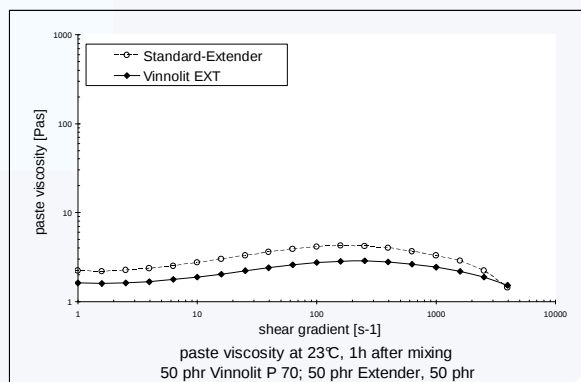
Brief Description

®Vinnolit EXT is a new generation of homo-polymeric 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.



Raw material Properties	Typical Value*	Unit	Test method	
			DIN EN ISO	ISO
K-value	approx. 66	-	1628-2	1628-2
Reduced viscosity	approx. 109	ml/g	1628-2	1628-2
Apparent bulk density	approx. 0.70	g/ml	60	60
Particle size distribution: sieve retention retained on 0.100 mm screen	< 0.2	%	1624	1624
Volatile matter	< 0.3	%	-	1269

* 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

Preliminary 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.

The data and recommendations contained in this product information represent the current state of our knowledge and serve as a guide only to our products and their potential applications. Therefore, no warranty of specific properties of the products mentioned here in nor of their suitability or fitness for a particular purpose is implied.

The information given in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also used. Patent or other proprietary rights of third parties must be observed. The quality of our products is warranted under the terms of our General Conditions of Sale.

Ismaning, October 2010

Vinnolit GmbH & Co. KG

Carl-Zeiss-Ring 25

D-85737 Ismaning

Tel.: +49 89 9 61 03-0

Fax: +49 89 9 61 03-103

www.vinnolit.com