

PRODUCT INFORMATION

®Vinnolit EXT | Vinnolit EXT GreenVin®

Extender resin for paste making PVC

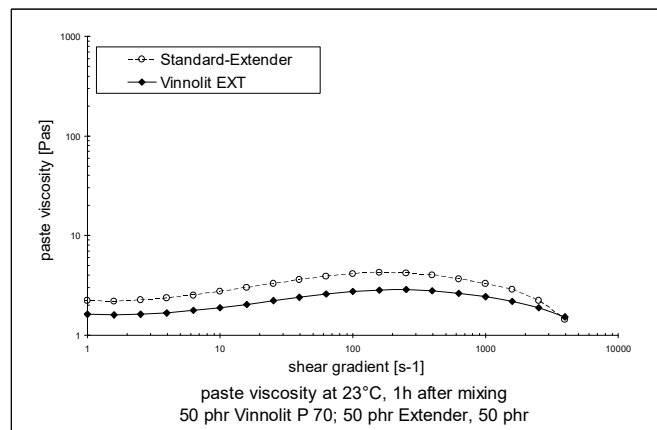
Brief Description

®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.



RAW MATERIAL PROPERTIES	TYPICAL VALUE ^{*)}	UNIT	TEST METHOD	
			DIN EN ISO	ISO
K-value	66	-	1628-2	1628-2
Reduced viscosity	109	ml/g	1628-2	1628-2
Apparent bulk density	0.720	g/ml	60	60
Particle size distribution: sieve retention				
• retained on 0.100 mm screen	≤ 0.2	%	53195	-
Volatile matter	≤ 0.3	%	1269	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.

Processing and Application

®Vinnolit EXT is readily incorporated into PVC plastisols by means of a dissolver, without formation of agglomerates.

®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.

Examples for applications are tarpaulins, artificial leather top coats in the direct process, floor coverings, gloves in the dipping process and all other coatings where the surface is gelled without contact.

Outstanding **properties** of ®Vinnolit EXT are:

- Reduction of paste viscosity
- Weakening of dilatancy
- Increase of storage stability of plastisols
- Particularly good mechanical properties of produced products

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.

Vinnolit EXT GreenVin® is produced with 100% renewable electricity (GOs). See GreenVin® info sheet.

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.

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