

PRODUCT INFORMATION

®Vinnolit EXT

Vinnolit EXT GreenVin®
 Vinnolit EXT GreenVin® bio-attributed

Extender resin for paste making PVC

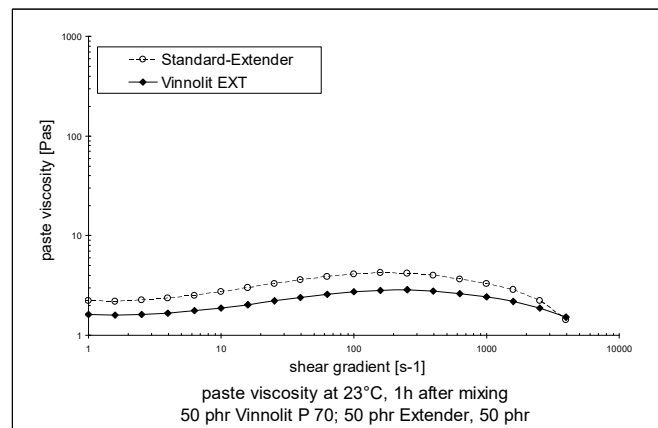
Brief Description

®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
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). Additionally, renewable Ethylene is used for Vinnolit EXT GreenVin® bio-attributed. See GreenVin® info sheet.

The information and specifications contained in this product information are, to the best of our knowledge, correct at the time of publication. They are intended solely to provide general information about our products and their possible applications and do not constitute an agreement on quality or a guarantee of specific properties or suitability for a particular purpose. Due to the numerous factors beyond our control relating to storage, processing, and combination with third-party raw materials, the customer is obliged to determine the suitability of the product for the intended use by conducting their own tests and trials. The customer is also obliged to check and observe any third-party industrial property rights before use. Our General Terms and Conditions of Sale apply in addition.

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