

# PRODUCT INFORMATION

## ®Vinnolit P 70 PS

Vinnolit P 70 PS GreenVin®

Vinnolit P 70 PS GreenVin® bio-attributed

PVC for paste application

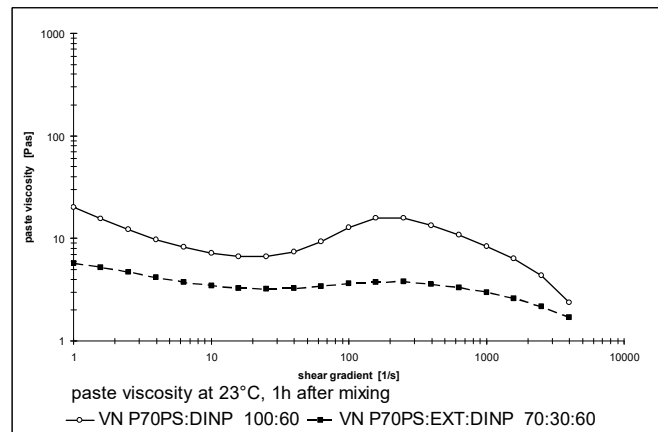
### Brief Description

®Vinnolit P 70 PS is a fine grained homopolymer giving medium-viscosity plastisols with an excellent shelf life.

Pastes made with ®Vinnolit P 70 PS show a moderate pseudoplastic rheology at low shear rates and a moderate dilatant flow behaviour at higher shear rates, which becomes more pronounced at low plasticizer level. This dilatant behaviour can easily be reduced by blending with Extender grades, like ®Vinnolit EXT (see diagram) or by blending with suitable emulsion grades.

Due to its very low emulsifier content the product shows a very low moisture

absorption making it ideally suited for outdoor applications.



RAW MATERIAL PROPERTIES	TYPICAL VALUE*	UNIT	TEST METHOD	
			DIN EN ISO	ISO
K-value	70	-	1628-2	1628-2
Particle size distribution: sieve retention • retained on 0.063 mm screen	≤ 1.0	%	53195	-
Volatile matter	≤ 0.3	%	-	-
Emulsifier content	extremely low	-	-	-

\* 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

Plastisols based on <sup>®</sup>Vinnolit P 70 PS can be easily processed by all common technologies. Any dilatancy can be easily reduced or even removed by either blending with extender resins, such as <sup>®</sup>Vinnolit EXT, or by blending with a suitable specialty emulsion PVC (e.g. <sup>®</sup>Vinnolit E 70 TT or <sup>®</sup>Vinnolit E 70 CQ etc.).

The excellent thermostability, low moisture absorption and good deaeratability make <sup>®</sup>Vinnolit P 70 PS ideally suited for use in outdoor applications. It is recommended for coating of technical textiles such as tarpaulins, awnings, roofing sheets, textile constructions, conveyor belts etc.

Outstanding **properties** of <sup>®</sup>Vinnolit P 70 PS are:

- Medium paste viscosity at low shear rates
- Very high powder fineness
- Very good adhesion at textile fabrics
- Good compatibility with common adhesion promoter
- Low water absorption
- Highest transparency and crystal clear films
- Glossy film surface
- Good thermostability
- Good initial color
- Good weatherability
- Very good printability of surfaces

Unpigmented coatings made from <sup>®</sup>Vinnolit P 70 PS containing the appropriate stabilizer are crystal clear and have a very glossy surface. Apart from being used in the applications mentioned in the description above, <sup>®</sup>Vinnolit P 70 PS can be used for thin transparent coatings.

## Packaging, Delivery and Storage

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

<sup>®</sup>Vinnolit P 70 PS 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 P 70 PS GreenVin<sup>®</sup> is produced with 100% renewable electricity (GOs). Additionally, renewable Ethylene is used for Vinnolit P 70 PS GreenVin<sup>®</sup> bio-attributed. See GreenVin<sup>®</sup> 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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**Westlake Vinnolit GmbH & Co. KG**  
Carl-Zeiss-Ring 25  
85737 Ismaning  
Germany

Tel.: +49 (0)89 9 61 03-0  
Fax: +49 (0)89 9 61 03-103  
www.westlakevinnolit.com