

PRODUCT INFORMATION

®Vinnolit P 70 PS

Vinnolit P 70 PS GreenVin® | Vinnolit P 70 PS GreenVin® bio-attributed

PVC for paste application

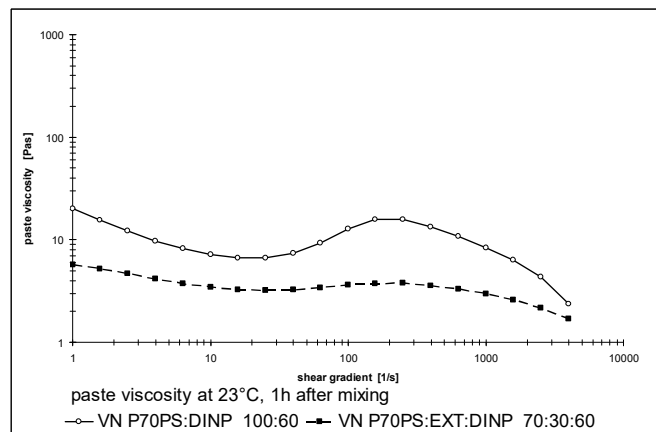
Brief Description

Vinnolit P 70 PS is a fine grained homo-polymer 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
Reduced viscosity	124	ml/g	1628-2	1628-2
Apparent bulk density	0.350	g/ml	60	60
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 ®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 ®Vinnolit EXT, or by blending with a suitable specialty emulsion PVC (e.g. ®Vinnolit E 70 TT or ®Vinnolit E 70 CQ etc.).

The excellent thermostability, low moisture absorption and good deaeratability make ®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 ®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

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.

Unpigmented coatings made from ®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, ®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.

®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® is produced with 100% renewable electricity (GOs). Additionally, renewable Ethylene is used for Vinnolit P 70 PS GreenVin® bio-attributed. See GreenVin® info sheet.

Ismaning, January 2023

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