

Product Information

Vinnolit

Leadership in PVC

®Vinnolit P 70 PS

PVC for paste application

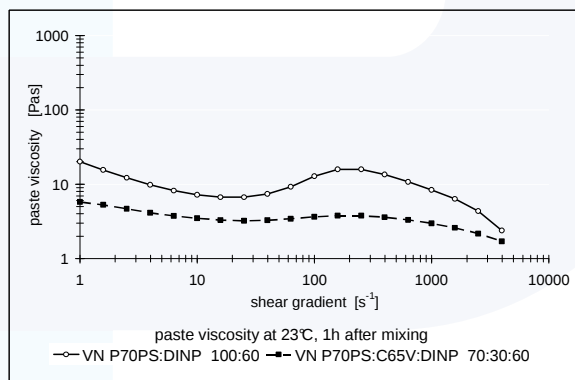
Brief Description

®Vinnolit P 70 PS is a fine grained homopolymer for plastisol processing 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 C 65 V or C 66 W (see diagram) or by blending with special emulsion grades.

Due to its very low emulsifier content the product shows a very low moisture absorption making it ideally suited for outdoor applications.

Thin plastisols of Vinnolit P 70 PS in combination with special Emulsion resins show excellent properties for dip coating (Foulard) of e.g. textile substrates.



Raw material Properties	Typical Value*	Unit	Test method	
			DIN EN ISO	ISO
K-value	approx. 70	-	1628-2	1628-2
Reduced viscosity	approx. 124	ml/g	1628-2	1628-2
Apparent bulk density	approx. 0.37	g/ml	60	60
Particle size distribution: sieve retention retained on 0.063 mm screen	< 0.3	%	1624	1624
Volatile matter	< 0.3	%	-	1269
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.

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Product Information

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 C 65 V or Vinnolit C 66 W, or by blending with a suitable speciality emulsion PVC (e.g. Vinnolit E 70 TT or 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.

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 brief description above, Vinnolit P 70 PS can be used for thin transparent coatings.

The **Core Properties** of **Vinnolit P 70 PS** are:

- high transparency, clear films
- glossy homogenous surface
- neutral colour and good thermostability
- low water absorption
- good weathering properties
- perfect adhesion on textile substrates
- good potlife and storage stability
- fine particles, moderate yield point for dip coating
- high bath stability of thin plastisols

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 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.

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