

PRODUCT INFORMATION

®Vinnolit P 70 F

Vinnolit P 70 F GreenVin®
 Vinnolit P 70 F GreenVin® bio-attributed

Specialty product for organosols and plastisols

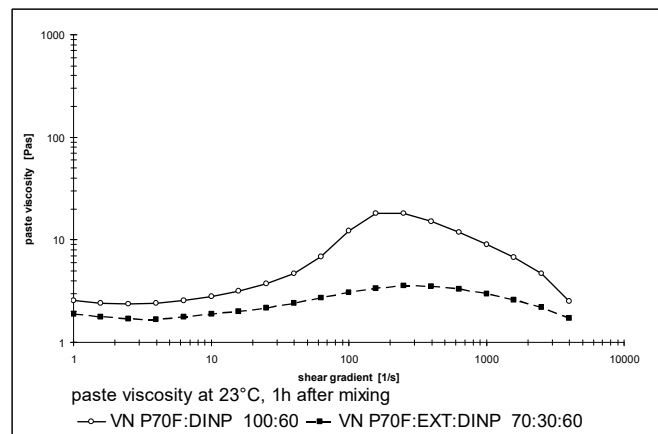
Brief Description

®Vinnolit P 70 F is an extremely fine-particle homopolymer for special plastisols and organosol processing (lacquers).

Used in combination with solvents or plasticizers and the common additives, organosols or plastisols (see diagram) having low viscosities and good shelf life.

Coatings made of ®Vinnolit P 70 F exhibit minimal water absorption, no haze on exposure to water, highest clarity, high gloss and very good electrical and dielectric characteristics. Due to the extreme particle fineness ®Vinnolit P 70 F is recommended

for very thin coatings e.g. can and coil coatings.



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	≤ 0.5	%	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

®Vinnolit P 70 F is suitable for making organosols and plastisols. Organosol formulations made with ®Vinnolit P 70 F may be blended with “inactive” solvents (diluent), or with “active” solvents, swelling PVC. ®Vinnolit P 70 F can be easily dispersed in the liquid phase by intensive mixers.

Organosols and plastisols containing ®Vinnolit P 70 F may be applied readily by standard techniques, e.g. blade coating, reverse-roll coater, rotary screen printing, spraying, dipping, etc.

On account of its very fine particle size and narrow particle size distribution (average particle diameter around 2 µm), ®Vinnolit P 70 F is recommended for organosols and plastisols for very thin coatings. A typical application is coating of can interiors with protective layers of only 8 to 14 µm thickness.

Outstanding **properties** of ®Vinnolit P 70 F are:

- Very low paste viscosity at low shear rates
- Extraordinary high powder fineness, for very thin coatings
- Very good adhesion at textile fabrics
- Good compatibility with common adhesion promoter
- Extraordinary low water absorption
- Highest transparency and crystal clear films
- Glossy film surface
- Extraordinary good thermostability
- Good initial color

Packaging, Delivery and Storage

The product is supplied in 25 kg bags.

®Vinnolit P 70 F 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 F GreenVin® is produced with 100% renewable electricity (GOs). Additionally, renewable Ethylene is used for Vinnolit P 70 F 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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