Vinnolit
Leadership in PVC

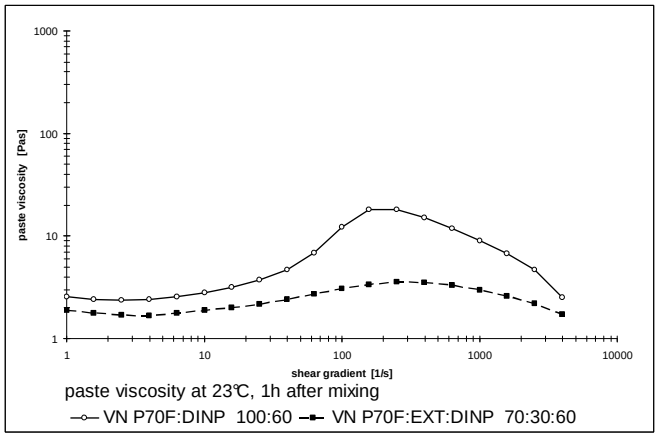
®Vinnolit P 70 F

Specialty product for organosols
and plastisols

Brief Description

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

Used in combination with solvents or plasticizers and the common additives, organosols or plastisols (see diagram) having low viscosities and good shelf lifes. 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
Reduced viscosity	124	ml/g	1628-2	1628-2
Apparent bulk density	0.340	g/ml	60	60
Particle size distribution: sieve retention retained on 0.063 mm screen	≤ 0.4	%	1624	1624
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 oganosols and plastisols. Organosol formulations made with Vinnolit P 70 F may be blended with “inactive” solvents (diluents), or with “active” solvents, swelling PVC.
Vinnolit P 70 F can be easily dispersed in the liquid phase by intensive mixers.

Only for very thin applications further mechanical grinding may be necessary, e.g. in a bead mill. heating of the paste or organosol during mixing should be avoided since it may lead to an undesirable increase in viscosity/ maturation.

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.

Coatings made with **Vinnolit P 70 F** are distinguished by the following **core properties:**

- high chemical resistance
- very good mechanical strength
- minimal water absorption
- very good electrical and dielectric characteristics
- high transparency, glossy surfaces
- neutral taste
- excellent weatherability
- low viscosity of fluid phase
- finest powder particles available

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 or our local representatives.

Ismaning, February 2015

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