

Product Information

Vinnolit

Leadership in PVC

®Vinnolit P 80

PVC for paste application

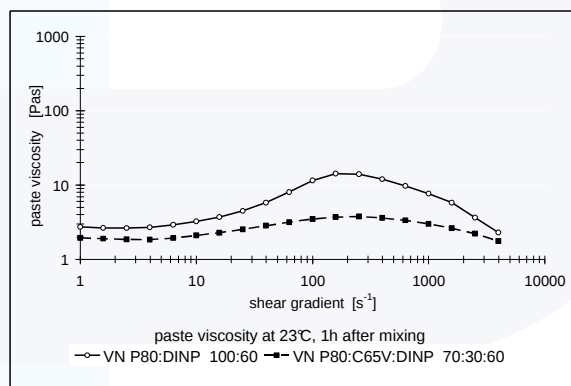
Brief Description

®Vinnolit P 80 is a fine grained homopolymer for plastisol processing giving low-viscosity plastisols with an excellent shelf life.

Vinnolit P 80 pastes with a medium plasticizer content show Newtonian rheology at low shear rates (Brookfield) and dilatant behaviour at high shear rates. The dilatancy can readily be reduced or even eliminated by blending with extender resins such as Vinnolit C 65 V or Vinnolit C 66 W (see adjacent diagram) or with specialty emulsion grades.

Due to the very low emulsifier content this product shows very low moisture absorption and shows an excellent thermostability with high-gloss-film-finish. The main application

areas are transparent top coats, special dip coating processes and for cover seals/gaskets.



Raw material Properties	Typical Value*	Unit	Test method	
			DIN EN ISO	ISO
K-value	approx. 80	-	1628-2	1628-2
Reduced viscosity	approx. 169	ml/g	1628-2	1628-2
Apparent bulk density	approx. 0.35	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

Pastes based on Vinnolit P 80 can be applied by all common processing technologies.

Unpigmented coatings made from Vinnolit P 80 containing the appropriate stabilizer are crystal clear and have a very glossy surface.

All these properties make the product suitable for transparent top coats in CV-flooring, artificial leather or dip coating goods such as gloves. Furthermore predestines the lowest initial viscosity, the fine particles and very high thermostability for seals/gaskets for covers and openings.

The low emulsifier content makes Vinnolit P 80 less suitable for applications requiring contact with hot metal surfaces (e.g. contact fusion rotational moulding) unless suitable release agents are incorporated into the formulation.

The **Core Properties** of Vinnolit P 80 are:

- very fine particles
- lowest initial Viscosity
- very low moisture absorption in powder and film
- excellent thermostability
- crystal clear films and highest transparency
- good miscibility with Extender resins and special blending grades
- demi matt or highly glossy adjustable
- good mechanical parameters
- excellent weathering properties
- very high storage stabilities
- low sedimentation in thin plastisols

Packaging, Delivery and Storage

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

Vinnolit P 80 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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