

PRODUCT INFORMATION

®Vinnolit P 80 | Vinnolit P 80 GreenVin®

PVC for paste application

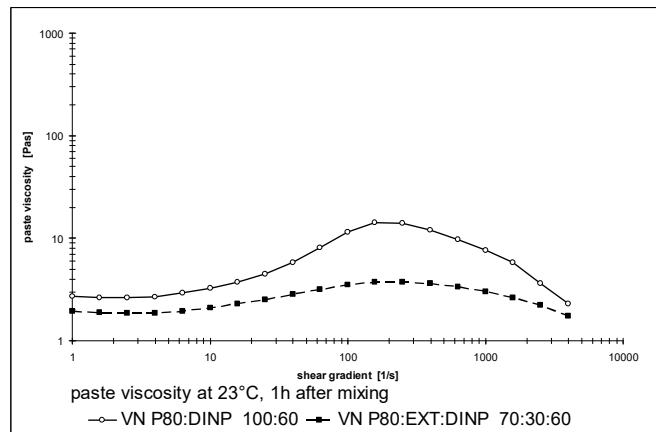
Brief Description

®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 EXT (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	80	-	1628-2	1628-2
Reduced viscosity	169	ml/g	1628-2	1628-2
Apparent bulk density	0.330	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

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

In formulations with less plasticizer flow disturbances can be eliminated by partially blending with extender PVC or special emulsion types.

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. In addition, the low initial viscosity, the fine particles and the high thermal stability perfectly suit for lid sealings.

®Vinnolit P 80 is characterised by the following outstanding **properties**:

- Very low paste viscosity at low shear rates
- Very high powder fineness
- Good mechanical properties
- Extraordinary low water absorption
- Highest transparency and crystal clear films
- Glossy film surface
- Extraordinary good thermostability
- Good initial color
- Excellent weatherability

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

Due to its very low emulsifier content, ®Vinnolit P 80 is, however, less suitable for applications involving fusion by contact with heated metal surfaces (contact fusion, rotational moulding). In such cases the addition of a suitable mould release agent is recommended.

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.

Vinnolit P 80 GreenVin® is produced with 100% renewable electricity (GOs).

See GreenVin® info sheet.

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.

Ismaning, May 2022

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