

PRODUCT INFORMATION

®Vinnolit P 80

Vinnolit P 80 GreenVin®

Vinnolit P 80 GreenVin® bio-attributed

PVC for paste application

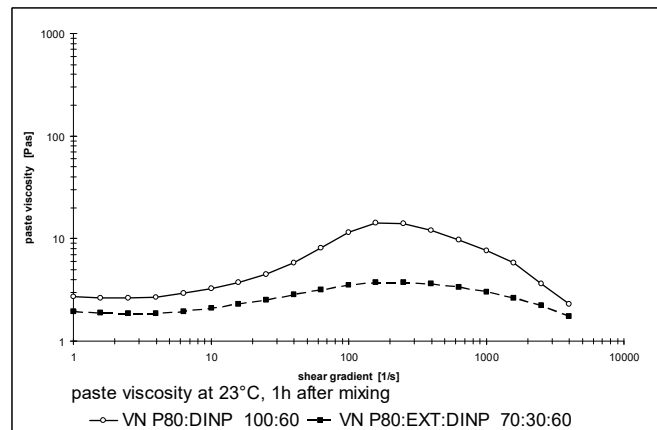
Brief Description

®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
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, the lowest initial viscosity, the fine particles and very high thermostability are ideal for seals and 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). Additionally, renewable Ethylene is used for Vinnolit P 80 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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Westlake Vinnolit GmbH & Co. KG
Carl-Zeiss-Ring 25
85737 Ismaning
Germany

Tel.: +49 (0)89 9 61 03-0
Fax: +49 (0)89 9 61 03-103
www.westlakevinnolit.com