PRODUCT INFORMATION

®Vinnolit P 4472

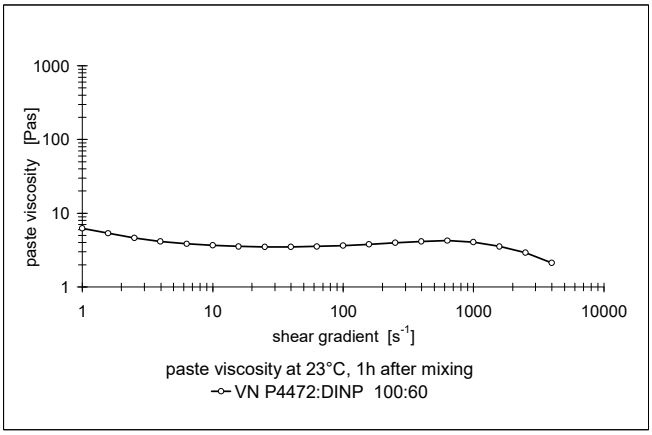
Vinnolit P 4472 GreenVin®
Vinnolit P 4472 GreenVin® bio-attributed

PVC for paste application

Brief Description

®Vinnolit P 4472 is a fine-particle emulsion homopolymer for making PVC pastes. Plastisols based on ®Vinnolit P 4472 are distinguished by a low initial viscosity and almost Newtonian flow properties (see diagram).

Principal applications are pastes for compact vinyl wallcoverings, flooring and leather cloth, as well as for coating of woven and non-woven fabrics and of glass strands.



RAW MATERIAL PROPERTIES	TYPICAL VALUE*	UNIT	TEST METHOD	
			DIN EN ISO	ISO
K-value	72	-	1628-2	1628-2
Apparent bulk density	0.320	g/ml	60	60
Particle size distribution: sieve retention • retained on 0.063 mm screen	≤ 1	%	53195	-
Volatile matter	≤ 0.3	%	1269	1269
Emulsifier content	medium	-	-	-

* 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

On account of its favourable rheology at high shear rates, pastes made from ®Vinnolit P 4472 can be processed with all the usual coating methods, particularly with reverse roll coaters.

The low initial viscosity of ®Vinnolit P 4472, coupled with its almost linear flow characteristics, allows the production of very thin coatings (< 100 µm), even at high coating speeds on reverse roll coaters and rotary screen printers.

The initial viscosity may be reduced further and eventually appearing dilatancy can be eliminated through combinations with extender resins (e.g. ®Vinnolit C 65 V or ®Vinnolit EXT).

The high filler-loading capability allows the formulation of particularly cost effective pastes. Pastes based on ®Vinnolit P 4472 are used for base coating of CV-flooring, leading to a smooth surface with no tendency to form plate out on the pregelling cylinder.

®Vinnolit P 4472 exhibits the following outstanding **properties**:

- Very low paste viscosity with almost Newtonian flow behavior
- High powder fineness
- High filler tolerance
- Excellent release effect during contact fusion
- High suitability for mechanically blown foam containing silicone based foaming aids

Packaging, Delivery and Storage

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

®Vinnolit P 4472 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 4472 GreenVin® is produced with 100% renewable electricity (GOs). Additionally, renewable Ethylene is used for Vinnolit P 4472 GreenVin® bio-attributed. See GreenVin® info sheet.

Ismaning, September 2025

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