

Product Information

Vinnolit

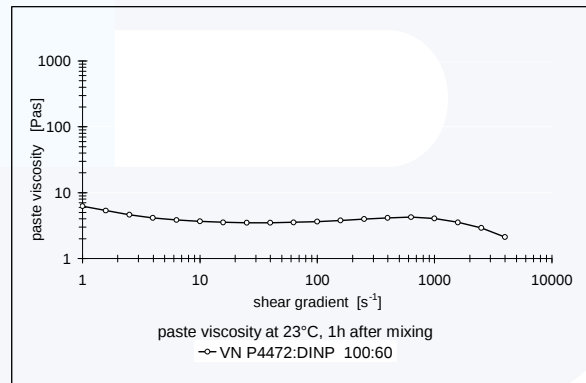
Leadership in PVC

®Vinnolit P 4472

PVC for paste making

Brief Description

®Vinnolit Vinnolit P 4472 is a fine-particle emulsion homopolymer for making PVC pastes. Plasticsols 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 leathercloth, 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	approx. 72	-	1628-2	1628-2
Reduced viscosity	approx. 132	ml/g	1628-2	1628-2
Apparent bulk density	approx. 0.34	g/ml	60	60
Particle size distribution: sieve retention retained on 0.063 mm screen	< 0.5	%	1624	1624
Volatile matter	< 0.3	%	-	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.

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Product Information

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 following properties make Vinnolit P 4472 particularly suited to the manufacture of low-plasticizer and/or highly filled pastes:

- very low initial viscosity
- almost linear flow properties
- excellent release effect during contact fusion
- high suitability for mechanically blown foam containing silicone based foaming aids

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 C 66 W). 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 pre-gelling cylinder.

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 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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