

Product Information

Vinnolit

Leadership in PVC

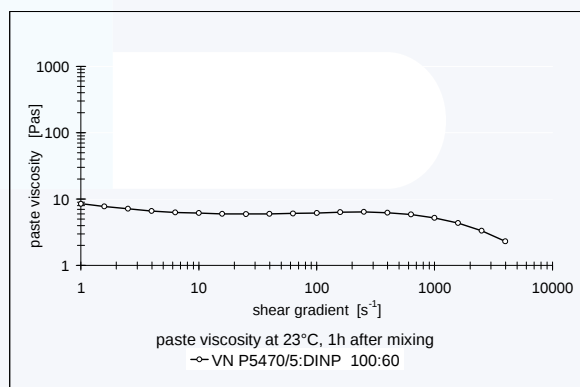
®Vinnolit PA 5470/5

PVC for paste application

Brief Description

®Vinnolit PA 5470/5 is a fine-particle, paste-making emulsion copolymer of vinyl chloride and 3 % vinyl acetate giving medium-viscosity plastisols with slightly pseudo-plastic flow properties (see diagram).

Due to its vinyl acetate content, Vinnolit PA 5470/5 can be processed at lower gelling temperatures than homopolymers.



Raw Material Properties	Typical Value*	Unit	Test method	
			DIN EN ISO	ISO
K-value	approx. 69	-	1628-2	1628-2
Reduced viscosity	approx. 120	ml/g	1628-2	1628-2
Content of vinylacetate	approx. 3	%		
Apparent bulk density	approx. 0.35	g/ml	60	60
Particle size distribution: sieve retention retained on 0.063 mm screen	< 0.5	%	1624	1624
Volatile matter	< 0.4	%	-	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

Vinnolit PA 5470/5 may be converted into pastes by the standard methods, by dissolver or low-speed mixer. However, undue heating of the paste during mixing should be avoided since the vinyl acetate content may cause a marked rise in viscosity. Pastes based on Vinnolit PA 5470/5 can be applied by all the usual procedures.

Vinnolit PA 5470/5 is a low temperature gelling, medium-viscosity paste grade, recommended for coating heat-sensitive base fabrics, laminating pastes, carpet backings as well as automotive underbody and seam sealants.

These applications also benefit from a high filler-loading capability as well as good adhesion to textile base fabrics and automotive metal surfaces. In addition, the product is suitable for the manufacture of mechanically frothed foam containing silicone based foaming aids.

To lower paste viscosity and increase shelf life, Vinnolit PA 5470/5 may be blended with homopolymer extender resins such as Vinnolit C 65 V and Vinnolit C 66 W.

Remarkable properties are:

- lower gelling temperature
- good adhesion at textiles and automotive metal sheets
- better mechanical properties
- better abrasion resistance in UBC-mastics
- low fogging value.

Packaging, Delivery and Storage

The product is supplied in 25-kg bags.

Vinnolit PA 5470/5 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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