

PRODUCT INFORMATION

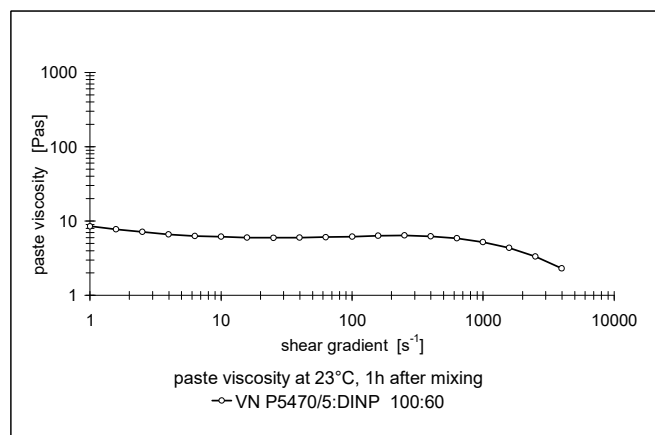
®Vinnolit PA 5470/5 | Vinnolit PA 5470/5 GreenVin®

PVC for paste application

Brief Description

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

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



RAW MATERIAL PROPERTIES	TYPICAL VALUE*)	UNIT	TEST METHOD	
			DIN EN ISO	ISO
K-value	69	-	1628-2	1628-2
Reduced viscosity	120	ml/g	1628-2	1628-2
Content of vinyl acetate	3,5	%		
Apparent bulk density	0.350	g/ml	60	60
Particle size distribution: sieve retention				
• retained on 0.063 mm screen	≤ 1.0	%	53195	-
Volatile matter	≤ 0.4	%	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

®Vinnolit PA 5470/5 may be converted into pastes by the standard methods, by dissolver or low-speed mixer. However, heating of the paste during mixing should be avoided since the vinyl acetate content may cause pregelling. 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 coatings of heat-sensitive fabrics, for base coats, for carpet backings as well as for 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.

Outstanding **properties** of ®Vinnolit PA 5470/5 are:

- Good gelling (mechanical properties and abrasion) also at lower processing temperatures
- Good adhesion to textile base fabrics and automotive metal sheets
- Low fogging value (meets the current emission guidelines for materials in vehicle interiors)
- Higher flexibility in comparison to homopolymer PVC

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.

Vinnolit PA 5470/5 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.

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