PRODUCT INFORMATION

®Vinnolit PA 5470/5

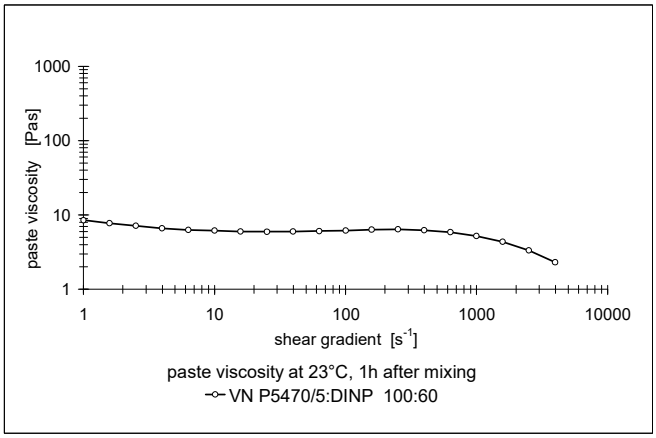
Vinnolit PA 5470/5 GreenVin®
Vinnolit PA 5470/5 GreenVin® bio-attributed

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
Content of vinyl acetate	3.5	%	-	-
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.

®Vinnolit = registered trademark of Westlake Vinnolit GmbH & Co. KG, Germany

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). Additionally, renewable Ethylene is used for Vinnolit PA 5470/5 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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