

PRODUCT INFORMATION

®Vinnolit C 100 V

Vinnolit C 100 V GreenVin®

Vinnolit C 100 V GreenVin® bio-attributed

Extender resin for paste making PVC specialty product for thermoplastic processing

Brief Description

®Vinnolit C 100 V is a very high molecular weight PVC homopolymer that, if blended with a paste making PVC, combines the good viscosity reducing properties of the extender resins (like ®Vinnolit C 65 V or ®Vinnolit EXT) with outstanding matting effect.

When used during thermoplastic processing, it acts as an anti-blocking and matting agent.

RAW MATERIAL PROPERTIES	TYPICAL VALUE*	UNIT	TEST METHOD	
			DIN EN ISO	ISO
K-value	**	-	1628-2	1628-2
Apparent bulk density	0.610	g/ml	60	60
Particle size distribution: sieve retention				
• retained on 0.063 mm screen	≤ 5	%	4610	4610
• retained on 0.090 mm screen	≤ 1	%	4610	4610
Volatile matter	≤ 0.3	%	1269	1269

* 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.

** K-Value cannot be determined exactly.

Processing and Application

Paste making

®Vinnolit C 100 V can be dispersed readily in PVC plastisols, without formation of agglomerates.

®Vinnolit C 100 V has similar processing properties to the extender resins ®Vinnolit C 65 V and ®Vinnolit EXT. The amount of ®Vinnolit C 100 V to use depends on the degree of matting required but lies between 10 and 50 % of the total PVC content. Therefore, PVC pastes with ®Vinnolit C 100 V and ®Vinnolit C 65 V are possible. The quantity of extender resin should not exceed 50 % of the total PVC.

Typical applications are textile coatings, especially tarpaulins and leather top coats applied by the direct process. Other applications are flooring top coats and any other coating applications in which the surface remains open during fusion.

®Vinnolit C 100 V is not suitable for producing matt surfaces by the transfer process (release paper), contact fusion on hot metal cylinders or rotational moulding. With these processes the gloss is determined largely by the contacted surfaces.

Outstanding **properties** of ®Vinnolit C 100 V are:

- Significant lower viscosity
- Weakening of dilatancy
- Increasing storage stability of plastisols
- Surface matting

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.

Thermoplastic processing

®Vinnolit C 100 V serves as an additive in standard formulation for thermoplastic processing. In amounts of < 1 phr, ®Vinnolit C 100 V acts as an anti-blocking agent, particularly for rigid and flexible films.

Addition of 3 - 10 phr ®Vinnolit C 100 V produces a matt surface on calendered, extruded and injection moulded parts. The matting effect can be controlled by varying the amount of ®Vinnolit C 100 V added.

Packaging, Delivery and Storage

The product is supplied in 25 kg bags.

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

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