

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
Reduced viscosity	**)	ml/g	1628-2	1628-2
Apparent bulk density	0.610	g/ml	60	60
Particle size distribution: Sieve retention R				
• 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 and reduced viscosity 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 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.

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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