

PRODUCT INFORMATION

®Vinnolit E 70 TT

Vinnolit E 70 TT GreenVin® | Vinnolit E 70 TT GreenVin® bio-attributed

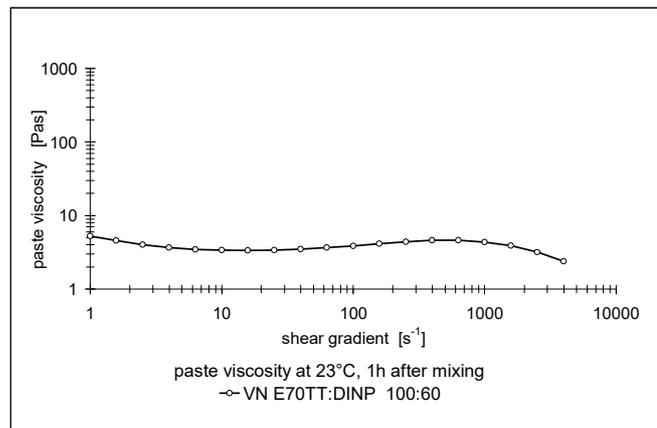
PVC for paste application

Brief Description

Vinnolit E 70 TT is a fine particle emulsion homopolymer grade, designed for paste applications. It can be easily converted into a plastisol with very low viscosity (over broad shear range) and excellent shelf life. With medium plasticizer content, the flow behaviour of ®Vinnolit E 70 TT is strictly Newtonian (see diagram) and it exhibits no yield point or flow anomalies.

Unpigmented films made of ®Vinnolit E 70 TT containing the appropriate stabilizer are clear and have a semi matting surface.

With efficient curing a good translucent transparency could be generated as well.



RAW MATERIAL PROPERTIES	TYPICAL VALUE*)	UNIT	TEST METHOD	
			DIN EN ISO	ISO
K-value	70	-	1628-2	1628-2
Reduced viscosity	124	ml/g	1628-2	1628-2
Apparent bulk density	0.360	g/ml	60	60
Particle size distribution: sieve retention				
• retained on 0.063 mm screen	≤ 2	%	53195	-
Volatile matter	≤ 0.5	%	1269	1269
Emulsifier content	low	-	-	-

*) 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

Plastisols based on ®Vinnolit E 70 TT can be generally applied in compact form (or even slightly foamed) with all common techniques.

In formulations which have less than 60 parts plasticizer, the flow characteristic can be modified by blending with extender resins, such as ®Vinnolit C 65 V or ®Vinnolit EXT. Blending with appropriate emulsion grades in order to adjust the rheology profile to the requirements of the specific technical manufacturing process is recommended. Therefore, a defined pseudoplastic character (e.g. yield point) could be obtained with blending with ®Vinnolit E 69 ST or ®Vinnolit E 70 CQ.

Due to its general flow characteristics, the low paste viscosity level, the very neutral colour appearance and the excellent low water absorption, ®Vinnolit E 70 TT is perfectly useful for textile coatings (water-proofs, sun sails, tarpaulins, conveyor belts etc.), artificial leather and flooring top coats as well as for rotational moulding and dip coating processes. The product additionally shows an excellent contact transparency even in thick film applications. A very easy plastisol handling is completing the product profile.

Outstanding **properties** of ®Vinnolit E 70 TT:

- Very low paste viscosity and Newtonian flow behaviour over the broad shear range
- Very good paste deaeratability
- Excellent low water absorption
- High transparency
- Good own-colour
- Good thermal stability

Packaging, Delivery and Storage

The product is supplied in 25 kg bags.

®Vinnolit E 70 TT 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 E 70 TT GreenVin® is produced with 100% renewable electricity (GOs). Additionally, renewable Ethylene is used for Vinnolit E 70 TT GreenVin® bio-attributed. 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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