

# PRODUCT INFORMATION

## ®Vinnolit E 70 TT

Vinnolit E 70 TT GreenVin®

Vinnolit E 70 TT GreenVin® bio-attributed

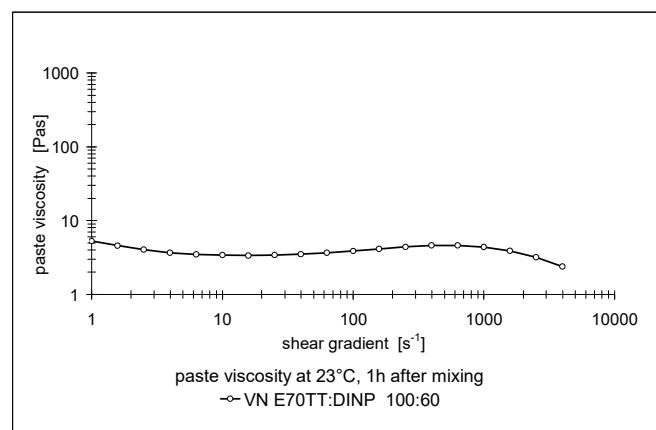
PVC for paste application

### 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
Particle size distribution: sieve retention • retained on 0.063 mm screen	≤ 2.5	%	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 <sup>®</sup>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 <sup>®</sup>Vinnolit C 65 V or <sup>®</sup>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 <sup>®</sup>Vinnolit E 69 ST or <sup>®</sup>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, <sup>®</sup>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 <sup>®</sup>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.

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

Ismaning, September 2025

**Westlake Vinnolit GmbH & Co. KG**  
Carl-Zeiss-Ring 25  
85737 Ismaning  
Germany

Tel.: +49 (0)89 9 61 03-0  
Fax: +49 (0)89 9 61 03-103  
www.westlakevinnolit.com