PRODUCT INFORMATION

®Vinnolit E 2178

Vinnolit E 2178 GreenVin®
Vinnolit E 2178 GreenVin® bio-attributed

Emulsion PVC for
thermoplastic processing

Brief Description

®Vinnolit E 2178 is a special free-flowing emulsion polymer with a high K-value for rigid film calendering by the Luvitherm process.

RAW MATERIAL PROPERTIES	TYPICAL VALUE*	UNIT	TEST METHOD	
			DIN EN ISO	ISO
K-value	78	-	1628-2	1628-2
Apparent bulk density	0.520	g/ml	60	60
Particle size distribution: sieve retention				
• retained on 0.063 mm screen	≤ 70	%	4610	4610
• retained on 0.250 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.

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

Processing and Application

®Vinnolit E 2178 in general should be mixed with typical PVC additives for the Luvitherm process using standard mixing techniques. Mixtures based on ®Vinnolit E 2178 are calendered by the low-temperature (Luvitherm) process to high-quality rigid film.

Particularly advantageous are the excellent stretching properties of such films at high production speeds.

Films based on ®Vinnolit E 2178 show the following **properties**:

- Excellent mechanical properties, especially high toughness and tear strength
- Low electrostatic charging capability
- Glossy surface
- Good planarity due to good stretching capability
- Good solvent resistance

On account of these properties, ®Vinnolit E 2178 is preferably used for films to make adhesive tape.

Packaging, Delivery and Storage

The product is supplied in 25 kg bags as well as in bulk form.

®Vinnolit E 2178 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 2178 GreenVin® is produced with 100% renewable electricity (GOs). Additionally, renewable Ethylene is used for Vinnolit E 2178 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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