

Product Information

Vinnolit

Leadership in PVC

®Vinnolit E 2178

Emulsion PVC for thermoplastic processing

Brief Description

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

Raw Material Properties	Typical Value *	Unit	Test method	
			DIN EN ISO	ISO
K-value	ca. 78	-	1628-2	1628-2
Reduced viscosity	ca. 159	ml/g	1628-2	1628-2
Apparent bulk density	ca. 0,500	g/ml	60	60
Particle size distribution: Sieve retention R retained on 0,063 mm screen retained on 0,250 mm screen	< 50 < 1	% %	4610	4610
Volatile matter	< 0,3	%	-	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.

Processing and Applications

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 calendared 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 benefits:

- 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.

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

Product Information

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 or our local representatives.

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 herein 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.

Ismaning, February 2013

Vinnolit GmbH & Co. KG

Carl-Zeiss-Ring 25

D-85737 Ismaning

Tel.: +49 89 96103-0

Fax: +49 89 96103-103

www.vinnolit.com