

Product Information

Vinnolit

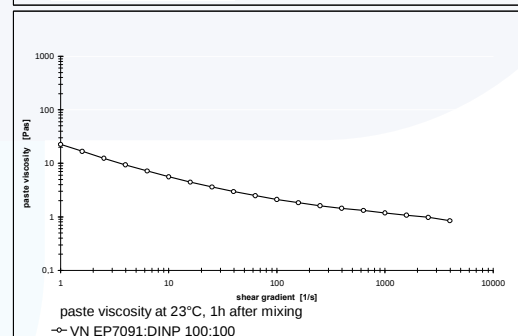
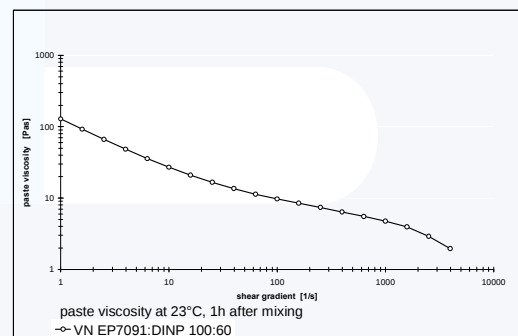
Leadership in PVC

®Vinnolit EP 7091

PVC for paste making

Brief Description

®Vinnolit EP 7091 is a medium molecular weight emulsion type PVC homopolymer with a medium-high emulsifier content. It produces plastisols exhibiting high viscosity and high yield value at low shear rates with pronounced pseudoplastic flow properties at high shear rates with medium-high plasticizer levels (70-100 phr). This grade can be used in blends to generally increase low shear viscosity and reduce dilatancy. It gives good thermal stability with a wide range of stabiliser types. The use of high speed type mixers is recommended.



Raw material Properties	Typical Value*	Unit	Test method	
			DIN EN ISO	ISO
K-value	approx. 70	-	1628-2	1628-2
Reduced viscosity	approx. 124	ml/g	1628-2	1628-2
Apparent bulk density	approx. 0.46	g/ml	60	60
Particle size distribution: sieve retention retained on 0.063 mm screen	< 2	%	1624	1624
Volatile matter	< 0.3	%	-	1269
Emulsifier content	medium	-	-	-

* The values given above are **typical** test results which should be used as a guide only. The do not form the whole or part of a specification or guarantee.

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

Product Information

Processing and Application

Vinnolit EP 7091 produces plastisols which are especially suitable for medium-high plasticizer content compact, mechanically and chemically foamed formulations particularly high expansion, high thickness low density fine closed-cell supported and unsupported chemical foams, for chemical foam coats in soft synthetic leathercloth and chemically foamed "textured" wall-coverings especially in blends with lower viscosity polymers such as Vinnolit EP 6779. It is also suitable for high yield plastisols for sealant applications. Spreading plastisols can be applied by direct, transfer or rotary screen coating processes.

Packaging, Delivery and Storage

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

Vinnolit EP 7091 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 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 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.

Ismaning, January 2010

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