

Product Information

Vinnolit

Leadership in PVC

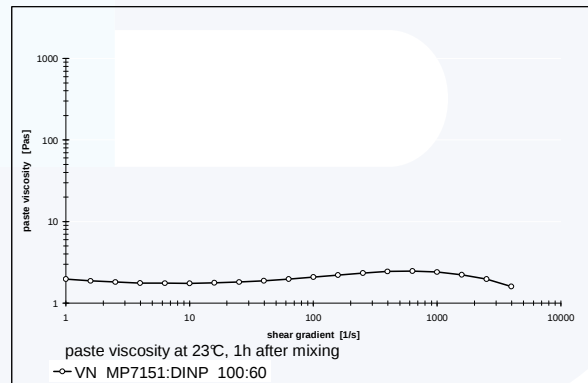
®Vinnolit MP 7151

PVC for paste applications

Brief Description

®Vinnolit MP 7151 is a fine grained PVC homopolymer with a medium emulsifier content. It yields plastisols exhibiting a very low viscosity at low/high shear rates and a Newtonian flow characteristic even at low plasticiser contents (40-60 phr).

Plastisols with Vinnolit MP 7151 show a very low viscos, homogenous flow behaviour and very high filler tolerance, which makes it perfectly useful for higher speed coating process, e.g. in flooring base coatings, rotary screen printing applications as well as for textile base coats. Additionally a very good potlife characteristic and good thermostability bringing added value in that fields of application.



Raw material Properties	Typical Value*	Unit	Test method	
			DIN EN ISO	ISO
K-value	approx. 71	-	1628-2	1628-2
Reduced viscosity	approx. 128	ml/g	1628-2	1628-2
Apparent bulk density	approx. 0.38	g/ml	60	60
Particle size distribution: sieve retention retained on 0.063 mm screen	< 0,5	%	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.

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Product Information

Processing and Application

Plastisols containing Vinnolit MP 7151 can be processed with all common technologies. Vinnolit MP 7151 produces plastisols, which are ideal for the manufacture of highly filled/high solids compact coatings. As the polymer has a fine particle size, it is especially suitable for thin coatings on fabric or paper producing a semi gloss surface finish. Vinnolit MP 7151 plastisols can also be applied by high-speed reverse roll or rotary screen coating processes.

The main applications are:

- The production of compact vinyl wallpaper base with low coating weights, both on high speed reverse-roll coating lines and on rotary screen coating lines. The plastisols exhibiting near Newtonian flow characteristics at very high shear rate in the high solid content plastisols usually employed.
- Very low viscosity plastisols with high filler loading for fabric impregnation e.g. in conveyor belting carcasses, flooring and carpet tile backings.
- Dip coating with low viscos, low sedimenting plastisols

Plastisols made with **Vinnolit MP 7151** exhibit the following **core properties**:

- very low viscosities even with high solids content formulations.
- good thermal stability with a wide range of standard stabilisers, especially liquid Ca/Zn or Ba/Zn types.
- good gelation rate.
- fast mixing/dispersion properties with high-speed mixers.
- potential to accept high filler/pigment loadings without sedimentation or aggregation.
- very good potlife stability
- good adhesion on textile substrates

Packaging, Delivery and Storage

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

Vinnolit MP 7151 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, October 2012

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