Product Information

Vinnolit
Leadership in PVC

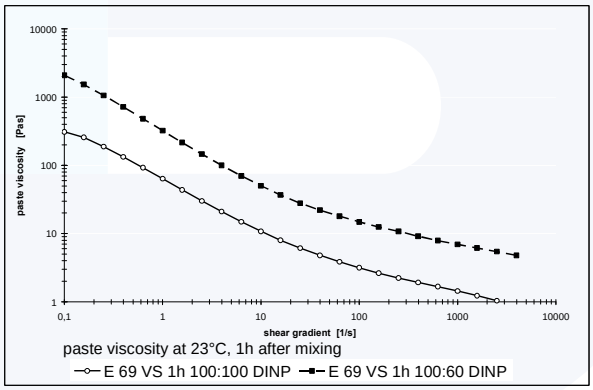
®Vinnolit E 69 VS

PVC for paste applications

Brief Description

®Vinnolit E 69 VS is a very fine particle paste making emulsion homopolymer with a medium emulsifier content.
Plastisols exhibiting a very high initial viscosity, a high yield point and a strong pseudoplastic flow behaviour with medium plasticiser contents (see diagram).

Vinnolit E 69 VS shows excellent foaming properties (white, high foams, closed cell structure) in chemically blown foams specially for artificial leather constructions. In compact applications the material is perfectly useful for printing inks and for rheology modifycation (e.g. in underbody coatings or textile coatings).



Raw material Properties	Typical Value*	Unit	Test method	
			DIN EN ISO	ISO
K-value	approx. 68	-	1628-2	1628-2
Reduced viscosity	approx. 116	ml/g	1628-2	1628-2
Apparent bulk densitiy	approx. 0.40	g/ml	60	60
Particle size distribution: sieve retention retained on 0.063 mm screen	< 0.05	%	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

Pastisols based on Vinnolit E 69 VS can be applied by all commonly used coating techniques.

The main applications are:

- High plasticiser containing compact or chemically blown coatings in high quality soft synthetic leather constructions (e.g. for upholstery).
- Articial leather constructions (all kind)
- Compact or chemically foamed coatings applied by direct or transfer coating onto wide mesh or open weave net type natural or synthetic fabrics.
- Printing ink applications/formulations
- Rheology and adhesive component for underbody coating applications
- Rheology modifier for textile coatings

Vinnolit E 69 VS is recommended for the manufacture of foams or high viscos compact films. **Noteworthy properties** are:

- High initial viscosity with pseudoplastic rheology
- Excellent foaming characteristics with good expansion ratio and uniform, fine closed cell structures
- Very fine powder
- Very good whiteness
- Low sedimentation in thin plastisols
- Remarkable yield point
- Thick, stable and elastic foam layers easily producible
- Good adhesion on KTL-surfaces
- Good miscibility with other PVC´s

Packaging, Delivery and Storage

The product is supplied in 25-kg bags.

Vinnolit E 69 VS 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.

Ismaning, January 2010

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