

Vinnolit® E 70 LF

Polyvinyl Chloride
Vinnolit GmbH & Co. KG

Message:

PVC for paste application
® Vinnolit E 70 LF is a fine-particle, paste- making copolymer of vinyl chloride and 5 % vinyl acetate yielding low viscosity plastisols with an excellent storage stability (see diagram).
Due to its vinyl acetate content, Vinnolit E 70 LF can be easily processed at lower gelling temperatures.
Processing and Application:
Vinnolit E 70 LF may be converted into pastes by the standard methods, by dissolver or low- speed mixer. However, undue heating of the paste during mixing should be avoided since the vinyl acetate content may cause a rise in viscosity. Pastes based on Vinnolit E 70 LF can be applied by all the usual procedures. Vinnolit E 70 LF is a low temperature gelling, low-viscosity paste grade, recommended for coating heat-sensitive base fabrics, laminating pastes, carpet backings as well as automotive underbody and seam sealants. These applications also benefit from a high filler-loading capability as well as good adhesion to textile base fabrics and automotive metal surfaces. To lower paste viscosity and increase shelf life, Vinnolit E 70 LF may be blended with homopolymer extender resins such as Vinnolit EXT / Vinnolit C 65 V.
Remarkable properties are:
significant lower gelling temperatures
good adhesion at textiles and automotive metal sheets
better mechanical properties
better abrasion resistance in UBC-mastics
excellent storage stability of plastisols

General Information			
Features	Copolymer		
	Good Abrasion Resistance		
	Good Adhesion		
	Low Viscosity		
Uses	Automotive Applications		
	Carpet Backing		
	Coating Applications		
	Laminates		
	Sealants		
Processing Method	Plastisol		
Physical	Nominal Value	Unit	Test Method
Apparent Density	0.40	g/cm³	ISO 60
K-Value	70.0		ISO 1628-2
Particle Size Distribution - sieve retention ¹	< 3.0	%	
Vinyl Content - acetate	5.0	%	
Volatile Matter	< 0.50	%	ISO 1269
NOTE			
1.	retained on 0.063 mm screen		

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