

Vinnolit® P 80

Polyvinyl Chloride Homopolymer

Vinnolit GmbH & Co. KG

Message:

Vinnolit P 80 is a fine grained homopolymer for plastisol processing giving low-viscosity plastisols with an excellent shelf life. Vinnolit P 80 pastes with a medium plasticizer content show Newtonian rheology at low shear rates (Brookfield) and dilatant behaviour at high shear rates. The dilatancy can readily be reduced or even eliminated by blending with extender resins such as Vinnolit C 65 V or Vinnolit C 66 W (see adjacent diagram) or with specialty emulsion grades. Due to the very low emulsifier content this product shows very low moisture absorption and shows an excellent thermostability with high-gloss-film-finish. The main application areas are transparent top coats, special dip coating processes and for cover seals/gaskets.

General Information			
Features	Good Thermal Stability		
	High Gloss		
	Low Moisture Absorption		
	Low Viscosity		
Uses	Gaskets		
	Seals		
Agency Ratings	EC 1907/2006 (REACH)		
Processing Method	Plastisol		
Physical	Nominal Value	Unit	Test Method
Apparent Density	0.35	g/cm ³	ISO 60
K-Value	80.0		ISO 1628-2
Viscosity Number (Reduced Viscosity)	169.0	ml/g	ISO 1628
Emulsifier Content	Extremely Low		
Particle Size Distribution ¹	< 0.30	%	ISO 4610
Volatile Matter	< 0.30	%	ISO 1269
NOTE			
1.	retained on 0.063 mm screen		

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