

# Vinnolit® P 70 HT

Polyvinyl Chloride Homopolymer

Vinnolit GmbH & Co. KG

## Message:

Vinnolit P 70 HT is a fine grained microsuspension homopolymer, designed for paste-applications. It can be easily converted into a plastisol with low viscosity, moderate pseudo-plastic flow characteristic and excellent shelf-life.

The plastisols made of Vinnolit P 70 HT with a medium plasticizer content exhibit a moderate pseudoplastic rheology with slight dilatancy at high shear rates. The dilatancy can be reduced/eliminated by blending with extender resins, such as Vinnolit C 65 V or Vinnolit C 66 W or with specially emulsion grades.

Vinnolit P 70 HT shows excellent low water absorption characteristics and has outstanding weathering properties combined with a very high thermostability. With this dominant properties it is perfectly useful for outdoor applications, like signs, tarpaulins, awnings, bill- boards, roofing sheets, textile constructions and coil coatings. The product additionally shows an excellent transparency and very low plate out properties, which makes it profoundly suitable for clear-transparent top coats as well as for printed surfaces (advertising).

General Information			
Features	Good Thermal Stability		
	Good Weather Resistance		
	High Clarity		
	Low to No Water Absorption		
	Low Viscosity		
Uses	Outdoor Applications		
	Sheet		
Agency Ratings	EC 1907/2006 (REACH)		
Processing Method	Plastisol		
Physical	Nominal Value	Unit	Test Method
Apparent Density	0.35	g/cm <sup>3</sup>	ISO 60
K-Value	70.0		ISO 1628-2
Viscosity Number (Reduced Viscosity)	124.0	ml/g	ISO 1628
Emulsifier Content	Extremely Low		
Particle Size Distribution <sup>1</sup>	< 0.30	%	ISO 4610
Volatile Matter	< 0.30	%	ISO 1269
NOTE			
1.	retained on 0.063 mm screen		

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