

# VESTOLIT P 1353 K

Polyvinyl chloride for paste processing

VESTOLIT P 1353 K is a paste forming homopolymer that is suitable for producing high-viscosity pastes with pronounced pseudoplastic flow behavior.

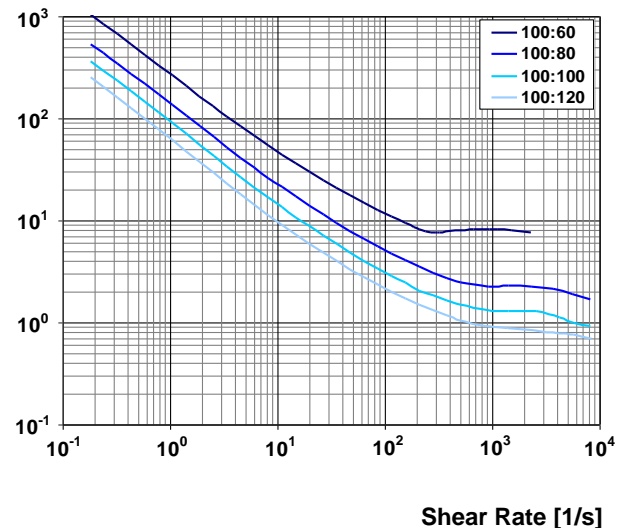
The product is suitable for both compact processing and chemical foaming.

Application	Solid	Foam
Artificial Leather	●	●
Films & Sheets		
Flooring	○	
Others	●	●
Sealants	○	
Technical Coatings	●	○
Textile Coatings	○	○
Wall Coverings		

● recommended ○ feasible

## P 1353 K/DINP-Ratio

Viscosity [Pa s]



Viscosity as a function of the shear rate for various PVC/plasticiser ratios, measured in a rotary viscometer at 25 °C after 24 h aging.

Property	Method	Unit	Value
K value	DIN EN ISO 1628-2	-	70
Viscosity number	DIN EN ISO 1628-2	cm <sup>3</sup> /g	125
Apparent Density	DIN EN ISO 60	g/cm <sup>3</sup>	0.45
Sieve analysis - retained on 0.063 mm sieve	DIN EN ISO 1624	%	< 1
Paste viscosity 1.5 /s	-	Pa s	55
Paste viscosity 45 /s	-	Pa s	4
Water content according to K. Fischer	DIN 53 715	%	≤ 0.3
pH value of the aqueous extract	DIN EN ISO 1264	-	10

1) The figures quoted above are typical values, and do not form part of the specification.

100 parts PVC, 120 parts DINP - measured in a rotary viscometer with a defined shear gap at 25 °C after ageing for 2 hours.

## **VESTOLIT P 1353 K**

### **Processing and Application**

Due to its pronounced pseudoplasticity, VESTOLIT P 1353 K is recommended for processing methods requiring high viscosities at low shear rates. This applies equally to the compact coating of open fabrics, to the production of foamed artificial leather in the two-layer process, and to spray processes, such as the underbody protection coating of motor vehicles.

Because of its pseudoplasticity, the product is appropriate as a rheology additive to control the viscosity of pastes. The viscosity as well as the yield point can be influenced by the choice of stabilizers.

The material is suitable to produce rigid, low-density foams in combination with isocyanates, which are preferably used in lightweight constructions.

### **Packaging, Delivery**

in bags (25 kg), bulk

### **Storage**

The recommended storage conditions for the material are:

- dry environment
- not in the vicinity of direct or indirect heat sources

### **Shelf-life**

According to the available experience, PVC can be stored almost without restrictions and can be used for months to several years if stored properly. We recommend consumption within one year after delivery.

### **Safety**

Please refer to the current safety data sheet for the safety precautions necessary for handling.

### **General Notes**

For further information and advice, please contact our technical service at [Technical-Service.Germany@vestolit.com](mailto:Technical-Service.Germany@vestolit.com) or our representatives.