

# VESTOLIT E 7031

Polyvinyl chloride for paste processing

VESTOLIT E 7031 is a paste forming homopolymer that is suitable for the production of high-viscosity pastes with pronounced pseudoplastic flow behavior, primarily for compact processing.

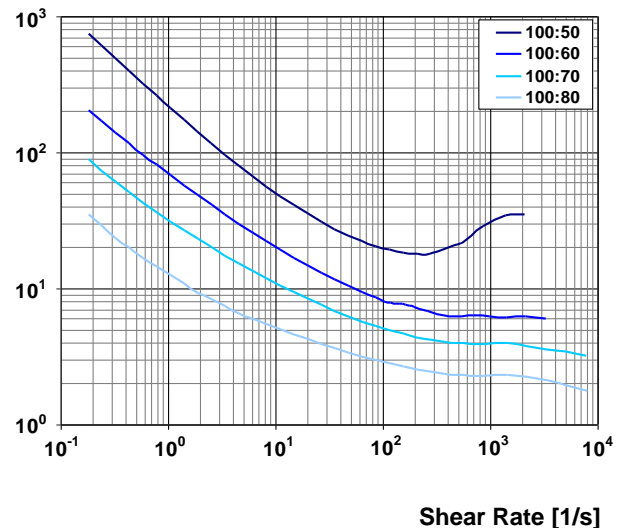
The product has excellent stabilization properties with all common systems.

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

● recommended    ○ feasible

## E 7031/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	45
Paste viscosity 45 /s	-	Pa s	9
Water content according to K. Fischer	DIN 53 715	%	≤ 0.3
pH value of the aqueous extract	DIN EN ISO 1264	-	9

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

100 parts PVC, 60 parts DINP - measured in a rotary viscometer with a defined shear gap at 25 °C after ageing for 2 hours.

## **VESTOLIT E 7031**

### **Processing and Application**

VESTOLIT E 7031 is preferably used where the processing method requires pronounced pseudoplastic pastes. This applies, for example, to the direct coating of open fabrics, to the production of artificial leather and for 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.

E 7031 is suitable to produce rigid, low-density foams in combination with isocyanates, which are preferably used in lightweight constructions.

In PVC soft powder blends, the material can be used as a flow aid due to its fine grain size.

### **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.