

Preliminary Product Information

VESTOLIT M 121

Polyvinyl chloride for paste processing

VESTOLIT M 121 is an excellent general purpose high molecular weight homopolymer resin offering good mechanical property performance.

Provides good dispersibility for easier plastisol formulation.

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

● recommended ○ feasible

Property	Method	Unit	Value *1
K value	DIN EN ISO 1628-2	-	74
Sieve Analysis - retained on 0.063 mm sieve	DIN EN ISO 1624	%	≤ 1
Paste Viscosity - @ 1.5 /s	-	Pa s	2.7
Paste Viscosity - @ 45 /s	-	Pa s	3.3
Brookfield Viscosity - Two-Hours @ 2 rpm	internal	cP (mPa*s)	3900
Brookfield Viscosity - Two-Hours @ 20 rpm	internal	cP (mPa*s)	3600
Brookfield Viscosity - One-Day @ 2 rpm	internal	cP (mPa*s)	5600
Brookfield Viscosity - One-Day @ 20 rpm	internal	cP (mPa*s)	4700
Water Content according to K. Fischer	ISO 15512	%	≤ 0.3

*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.

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Processing and Application

VESTOLIT M 121 provides good chemical foamability for producing medium to high density foams. It offers good dispersibility for easier plastisol processing.

Recommended for medium to high density foam or solid applications where good fused film physical properties are required.

Applications are:

Adhesive Tapes, Apparel, Caps/ Closures, Conveyor Belts, Cushion Vinyl (CV), Dolls, Fabric Coatings, Fiber Screen Coatings, Furniture, Mats, Tarpaulins & Tents, and Traffic Cones

Processing methods include:

- Dip Coating
- Rotational Molding
- Spray Coating
- Spread Coating
- Slush Molding

Packaging, Delivery

in bags (25 kg)

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 or our representatives.