

VESTOLIT B 7021 Ultra*

Polyvinyl chloride for paste processing

VESTOLIT B 7021 Ultra is a paste-forming homo-polymeric micro-S-PVC that is suitable for producing lowviscosity pastes with almost Newtonian flow behavior.

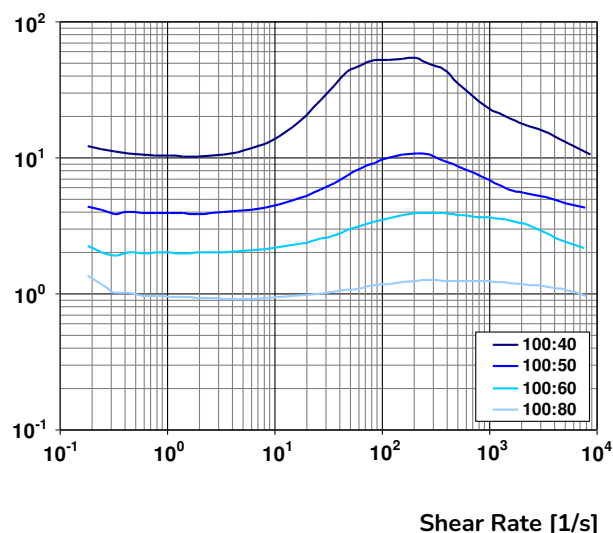
Due to ist properties, the product is universally applicable for compact and foamed coatings of all types as well as for dipping and casting processes.

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

● recommended ○ feasible

B 7021 Ultra / 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 *1
K value	DIN EN ISO 1628-2	-	70
Viscosity number	DIN EN ISO 1628-2	cm ³ /g	125
Apparent Density	DIN EN ISO 60	g/cm ³	0.3
Sieve Analysis - retained on 0.063 mm sieve	DIN EN ISO 1624	%	< 1
Paste Viscosity - @ 1.5 /s	-	Pa s	2.2
Paste Viscosity - @ 45 /s	-	Pa s	2.0
Water Content according to K. Fischer	ISO 15512	%	≤ 0.3
pH Value of the Aqueous Extract	DIN EN ISO 1264	-	8

*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.

*Our high-quality PVC VESTOLIT B 7021 Ultra is also available in the sustainable FUTURE-FIT versions RENEWABLE, BIO and CIRCULAR. This technical product data sheet applies to all product variants, including the FUTURE-FIT versions. If you would like to find out more about our FUTURE-FIT PVC produced from biomass balanced or circular feedstock and how you can reduce your carbon footprint with our products, our experts will be happy to help you. Visit our website at www.vestolit.com/future-fit for more information.

VESTOLIT B 7021 Ultra

Processing

VESTOLIT B 7021 Ultra can be used wherever low viscosity, good storage stability and low water absorption are required. The product is universally used to produce compact coatings and chemical foams in artificial leather and floor coverings. In the production of CV floor coverings, the good contact gelling properties result in smooth surfaces during glass fleece impregnation. B 7021 Ultra can also be used in mechanical foaming with both soap and silicone stabilizers. The product is also suitable for rotation, dipping and casting processes and for the manufacture of cover gaskets using the centrifugal or stamp process.

Our product fulfills the requirements of the EU Regulation 10/2011 on plastic materials and articles intended to come into contact with food.

Applications are

- Artificial Leather (Apparel, Furniture)
- Flooring (Carpet Tile, Cushion Vinyls (CV), Luxury Vinyl Tiles (LVT))
- Sealants (Caps / Closures)
- Textile Coatings (Billboard, Conveyor Belts, Fabric Coatings, Protective Clothings, Tarpaulin & Tents)
- Wall Coverings
- Others (Dolls, Gloves, Traffic Cones)

Processing methods include

- | | |
|---------------------|----------------------|
| • Casting | • Dip Molding |
| • Plastisol Coating | • Rotational Molding |
| • Slush Molding | • Spread Coating |

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 or our representatives.