

# VESTOLIT B 7090 Ultra\*

Polyvinyl chloride for paste processing

VESTOLIT B 7090 Ultra is a paste forming copoly-meric micro-S-PVC that is suitable for producing pastes with almost Newtonian flow behavior.

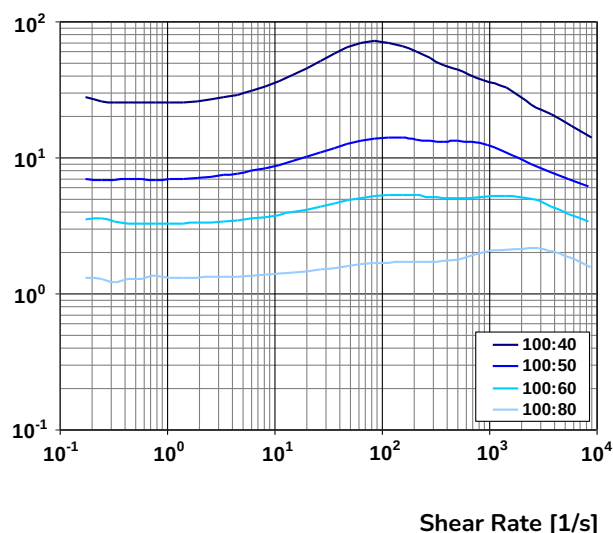
Due to its property profile, the product is particularly advantageous for low gelling pastes in the compact applications and in mechanically gassed foams.

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

● recommended    ○ feasible

## B 7090 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 | -                  | 67       |
| Viscosity number                            | DIN EN ISO 1628-2 | cm <sup>3</sup> /g | 112      |
| Apparent Density                            | DIN EN ISO 60     | g/cm <sup>3</sup>  | 0.3      |
| Sieve Analysis - retained on 0.063 mm sieve | DIN EN ISO 1624   | %                  | < 1      |
| Paste Viscosity - @ 1.5 /s                  | -                 | Pa s               | 3.5      |
| Paste Viscosity - @ 45 /s                   | -                 | Pa s               | 3.8      |
| 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 7090 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](http://www.vestolit.com/future-fit) for more information.

## VESTOLIT B 7090 Ultra

### Processing

VESTOLIT B 7090 Ultra with a vinyl acetate content of about 4 % shows significantly improved fusion properties compared with comparable homopolymers. Due to the low viscosity and the excellent storage stability of pastes of B 7090 Ultra for copolymers, the use of this product is recommended for all applications requiring significantly reduced gelling temperatures compared to conventional processing conditions. Main applications are therefore automotive sealants, adhesive coatings and the coating of temperature-sensitive substrates. Due to its good mechanical foamability, B 7090 Ultra is also the preferred choice for low-temperature gelled back foams in CV floorings. The product is also contact gellable.

### Applications are

- Artificial Leather
- Flooring (Carpet Tile, Cushion Vinyls (CV), Luxury Vinyl Tiles (LVT), Mats)
- Sealants (Sealants, Underbody Coatings Sealants (UBC))
- Technical Coatings (Underbody Coatings (UBC))
- Textile Coatings (Billboard, Conveyor Belts, Fabric Coatings, Protective Clothings, Tarpaulin & Tents)
- Others

### Processing methods include

- Casting
- Plastisol Coating
- Spread Coating
- Dip Molding
- Rotational Molding

### 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.