

Isolan BIO PST

Technical Data Sheet

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Material Definition

Chemical basis: Modified aliphatic polyurethane dispersion

Ionicity: Anionic

Viscosity (23 °C): Approx. 50 mPa·s

pH value: 7,0 - 9,0

Solid Content: 34.0 – 36.0%

Applications

Isolan BIO PST is a modified aliphatic polyurethane dispersion, rooted in Polyether and consisting of at least 52% BIO polyols derived from renewable sources. It is devoid of NMP and NEP. This medium-soft polyurethane showcases commendable resistance to hydrolysis and temperature, resulting in an elastic film. It's suitable for textiles, synthetics, leather, and coatings.

Typical film characteristics: 100% modulus stands at 2-3 Mpa, tensile strength measures at 20 Mpa, and elongation is approximately 7x.

Handling, Storage and Packaging

12 months from delivery in closed containers.

The product is stable for at least one year when stored in sealed original packing at temperatures between 5°C and 30°C without exposure to sunlight. Sensitive to frost. Stir up before using.

Regulatory Information

EU REACH registered: Not applicable

Availability

- Americas (United States, Canada, South America)
- APAC (Asia-Pacific)
- ANZ (Australia, New Zealand)
- EU (European Union)
- PRC (People's Republic of China)
- UK (United Kingdom)

Disclaimer / Conditions



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Stated storage and shelf life times are minimum guaranteed values for a period starting on the day of shipment. After this period has expired, the product requires additional quality control testing but may very well still be within specification. For more information, refer to our [Shelf Life Policy \(/info/shelflife\)](#).

For updates on product information, please check this web page regularly:

<https://kautschuk.com/products/textile/isolan-bio-pst>
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