

Isolan PSN

Technical Data Sheet

Material Definition

Composition: Polyether-based aqueous aliphatic polyurethane

Solid content: 40%

Viscosity: 250 mPa·s

pH value: 7.7

Specific Gravity: 1,030 kg/m³

Typical film properties

100% Modulus: 1.2 MPa

Tensile strength: 12.0 MPa

Elongation: 10x

Softening Point: 160-190 °C

Applications

Isolan PSN is a general-purpose, very soft PUR dispersion. It is a co-solvent-free aliphatic polyether type polyurethane binder that exhibits: strong adhesion to natural and synthetic fabrics, PUR, and pretreated TPO; along with superior hydrolysis and wash resistance.

Isolan PSN is a low viscosity option and can be employed as a soft skin/binder for transfer-coating and direct-coating applications. It stands out as an exceptional adhesive for transfer-coating and serves as a basecoat for direct-coating applications. It is also

suitable for impregnation and pile binding of fabrics and non-wovens.

Application methods encompass rotogravure, wire bar, dipping, rotary-screen, knife, or reverse roller-coater. Depending on the application method, there may be a need to adjust flow, wetting, defoaming, and rheology.

For enhanced resistance properties, crosslinkers can be added.

Storage

The optimum storage and handling temperature range is 5 °C to 30 °C. The product must be protected from heat and frost in order to maintain viability. Containers must not be re-stocked after they have been opened. Properly stored, Isolan PSN is stable for at least 12 months after the shipment has left our warehouse.

Packaging

Isolan PSN is available in IBCs (1000kg each) and drums (210kg each). MoQ are 2 pallets with 8 drums each or 1 IBC.

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

Revision: 2023-11-15 / b94a



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Conditions (/info/toc) apply.

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-psn>

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For inquiries, contact: info@kautschuk.com (<mailto:info@kautschuk.com>)

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