

Isolan PHF

Technical Data Sheet

Isolan PHF

Material Definition

Chemical identity: Aqueous aliphatic polyurethane, polyester based

Appearance: Milky white liquid

Solid content: 38.0 - 42.0 %

Brookfield Viscosity (25°C): 50 mPa.s

pH value: Approx. 8.0

Density: 1.04g/cm³

Application

Isolan PHF is a low VOC, versatile medium-soft PUR dispersion and foundational polymer suitable for finishes on textiles, PVC, or paper. Isolan PHF is a co-solvent free solution with applications that include:

- Direct coating or impregnation of synthetic or natural textiles/fabrics or paper
- Serving as a (pre-)skin for both transfer-coating and direct-coating processes.

To enhance resistance properties, crosslinkers can be incorporated into Isolan PHF. Isolan PHF can be used with methods such as rotogravure, wire bar, dipping, rotary-screen, knife, or reverse roller-coater. Depending on the chosen application method, adjustments may be required for flow, wetting, defoaming, and rheology.

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 restocked after they have been opened. Properly stored, Isolan PHF is stable for at least 12 months after the shipment has left our warehouse.

Packaging

Isolan PHF 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: 2023-09-20 / 1d02



We strive to be accurate in all of our documentation. However, any information or advice is provided by us in good faith, without warranty or unlimited claim of fitness for a specific application. We sell to qualified industrial users only. The onus is on the product's user to research carefully and then to continually test the product and its application procedures within the context of its specific use. Use of our products and data requires diligence and care, and is within the sole responsibility of the user. Kautschuk-Group does not accept any liability for damages incurred. Our general [Terms and 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-phf>

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

This page is also available in: **[Deutsch](https://de.kautschuk.com/products/textile/isolan-phf)**
 [\(https://de.kautschuk.com/products/textile/isolan-phf\)](https://de.kautschuk.com/products/textile/isolan-phf), **[Español](https://es.kautschuk.com/products/textile/isolan-phf)**
 [\(https://es.kautschuk.com/products/textile/isolan-phf\)](https://es.kautschuk.com/products/textile/isolan-phf), **[Français](https://fr.kautschuk.com/products/textile/isolan-phf)**
 [\(https://fr.kautschuk.com/products/textile/isolan-phf\)](https://fr.kautschuk.com/products/textile/isolan-phf), **[简体中文](https://cn.kautschuk.com/products/textile/isolan-phf)**
 [\(https://cn.kautschuk.com/products/textile/isolan-phf\)](https://cn.kautschuk.com/products/textile/isolan-phf), **[Italiano](https://it.kautschuk.com/products/textile/isolan-phf)**
 [\(https://it.kautschuk.com/products/textile/isolan-phf\)](https://it.kautschuk.com/products/textile/isolan-phf), **[Türkçe](https://tr.kautschuk.com/products/textile/isolan-phf)**
 [\(https://tr.kautschuk.com/products/textile/isolan-phf\)](https://tr.kautschuk.com/products/textile/isolan-phf).

© 2001-2023 **Kautschuk Group** · Isochem Limited · 340 Queen's Road, Central, · Hong Kong, SAR

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

[Status \(/status\)](#) · **[Policies \(/info\)](#)** · **[Privacy \(/info/privacy\)](#)** · **[Terms \(/info/toc\)](#)** · **[Imprint \(/info/imprint\)](#)**