

Isolan FRB

Isolan FRB is an efficient, halogen-free and antimony-free flame retardant compound for black-out layers and other technical coatings.

Material Definition

Solid content: 38 - 42%

Brookfield Viscosity @25°C: 1,000-2,500 mPa.s

pH value: 6.5 - 8.5

Density: 1.08 g/cm³

Application

Isolan FRB is administered using the knife-over-roll coating technique and is then dried at temperatures ranging from 80 – 120°C prior to crushing. There's no need for post-curing at elevated temperatures. The dry weights of Isolan FRB typically range between 60 – 90 gsm. Standard foam ratios for blackout purposes lie between 250 – 300 g/l. Before coating, ensure you verify the viscosity and mix the compound thoroughly.

The quantity of Isolan FRB necessary to achieve satisfactory fire retardant performance can vary based on the flammability test, the substrate's composition and structure, the type of other auxiliaries, additives, or finishes, among other factors. Such requirements should be ascertained in a laboratory setting beforehand. Common applications include FAR25853 and DIN4102-B2.

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 FRB is stable for at least 12 months after the shipment has left our warehouse.

Packaging

Isolan FRB 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: 2023-10-19 / 3af6

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-frb>
(<https://kautschuk.com/products/textile/isolan-frb>)

This page is also available in: **Deutsch**
(<https://de.kautschuk.com/products/textile/isolan-frb>), **Español**
(<https://es.kautschuk.com/products/textile/isolan-frb>), **Français**
(<https://fr.kautschuk.com/products/textile/isolan-frb>), 简体中文
(<https://cn.kautschuk.com/products/textile/isolan-frb>), **Italiano**
(<https://it.kautschuk.com/products/textile/isolan-frb>), **Türkçe**
(<https://tr.kautschuk.com/products/textile/isolan-frb>), 日本語
(<https://jp.kautschuk.com/products/textile/isolan-frb>).

© 2001-2024 **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 \(/info/imprint\)](#)