
Isobond® LT - 45

Material Definition

Chemical basis: Aqueous dispersion of isocyanates

Ionicity: Nonionic

Form supplied: White Liquid

Viscosity (23 °C): Approx. 50 mPa·s

pH value: 7,0 - 9,0

Solid Content: 43.0 – 47.0%

Applications

Dips

Isobond® LT - 45 is well suited for dip formulations, especially in tire cord applications, and can be used as a component of resorcinol-free formulation systems.

Fibre reinforcement

Isobond® LT - 45 can be used to prepare or reinforce organic and anorganic fibres. It can improve adhesion and hardening in fibre glass applications.

Fabric Printing

Isobond® LT - 45 is suitable for use in pigment printing pastes (with or without white spirit). Its addition enhances the wet rubfastness and washfastness of the prints. Isobond® LT - 45 demonstrates high effectiveness particularly in prints on woven and knitted fabrics made of synthetic fibres, regenerated cellulose, as well as their blends with cotton.

Isobond® LT - 45 is recommended in applications that necessitate formaldehyde-free pigment prints (Öko-Tex Standard 100). The printing pastes do not require the addition of urea. A standard inclusion range is

typically between 5-15 g/kg. Isobond® LT - 45 does not negatively affect the potlife or running properties of the printing pastes. However, it is important to maintain a pH level of around 8 - 9 in the printing pastes.

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/isobond-lt-45>

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