Isobond® Bio

Technical Data Sheet

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Branched, solvent-free HDI based homopolymer that contains crosslinkable blocked isocyanic groups with a bio blocking agent, which has a de-blocking temperature of approximately 140-150°C.

Material Definition

Chemical basis: Branched, solventless HDI based homopolymer

Ionicity: Nonionic

Form supplied: Luish white liquid

Viscosity (25 °C): Approx. 50–300 cP

pH value: 6.0 - 8.0

Solid Content: 39.0 - 41.0 %

Applications

Isobond Bio is a non-ionic, low-viscosity isocyanate-based crosslinking agent ideal for acrylic polymers and polyurethanes used in adhesives, textile finishing, pigmentary printing, PVC coatings, and metallic surfaces.

Isobond Bio is highly recommended as a crosslinking agent for acrylic and acrylic/polyurethane products. In adhesive applications, Isobond Bio functions as a crosslinking agent in the binding of vulcanized rubber. Additionally, in the coating industry, Isobond Bio is often combined with a hydroxylated acrylic or a carboxylated anionic acrylic polyurethane.

When using Isobond Bio as a crosslinking agent in "prime" bi-compound systems for metallic surfaces, it's advised to apply it at temperatures starting from 165°C.

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-bio (https://kautschuk.com/products/textile/isobond-bio)

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