

Basonat® I



Basonat® I is a monomeric cycloaliphatic diisocyanate, mainly used in the manufacture of reactive intermediates and polymers with high lightfastness and high flexibility combined with excellent mechanical strength. The different reactivity of the isocyanate groups in Basonat I is especially useful in the manufacture of polyurethane resins and dispersions

Polyurethanes based on Basonat I
Key features and benefits

- Good light fastness
- High weather resistance
- High chemical and mechanical resistance
- Fast physical drying

chemical nature

Isophorone diisocyanate (IPDI)

Properties

physical form

colorless to yellowish liquid with pungent odor

Storage

Basonat® I is sensitive to moisture. The ideal temperature range for storage is 10–20 °C (50–68 °F), and under airtight conditions (exclusion of humidity and atmospheric oxygen), Basonat® I can be stored for up to 6 months. Containers should be flushed with nitrogen before resealing.

Disposal of drums: Residues of IPDI must be rendered innocuous. Aqueous solutions of wetting agents and alcohol can be used. Up to 5 % of aqua ammonia may be added to the solution. Directives of local authorities must be observed.

typical properties
(no supply specification)

Purity	> = 99.5 %
NCO Content	37.5 – 37.8 %
Platin cobalt color number	< = 30
Viscosity at 23°C	13-15 mPa·s
Shear rate D 1,000 s ⁻¹	

Safety

Basonat® HI polyisocyanates are reactive polyfunctional isocyanates containing traces of hexamethylene-1,6-diisocyanate, requiring adequate protection measures. Thus they may only be used in industrial or professional applications. They are not suitable for do-it-yourself applications.

When handling these products, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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