

Isodur N3300 S

1,6-hexamethylene diisocyanate based polyisocyanate

Hexamethylene diisocyanate oligomer

CAS Number: 28182-81-2

Content: Approx. ≥ 99.8

Hexamethylene-1,6-diisocyanate

CAS Number: 822-06-0

Content: Approx. < 0.1

Material Definition

Appearance: Colorless to slightly yellowish clear liquid

NCO Content: 21.70 - 22.20 %

Viscosity at 25 °C: 1750 - 3250 mPa·s

Chromatic Number: ≤ 40 APHA

HDI Content: < 0.10 %

Application

Isodur N3300 S can be used as the hardener component for lightfast two-component polyurethane coatings with high resistance to chemicals and weathering, very good gloss retention and outstanding mechanical properties.

Preferred co-reactants are polyacrylates or polyester polyols. The main applications for coatings based on Isodur N3300 S are automotive refinishing, transportation, industrial finishing and plastics.

Handling, Storage, and Packaging

The processing and use of Isodur N3300 S requires adequate technical and professional knowledge. Please consult safety data sheet and observe local safety regulations. The legal requirements prevailing in your country, especially in the avoidance of accidents, working hygiene and patent rights must be observed.

Isodur N3300 S has to be stored in its sealed original containers at temperatures from 0 to 30°C. The product must always be kept in a sealed container as it is highly sensitive to moisture. Storage at higher temperatures may result in increasing of coloring and viscosity. Properly stored it is stable for a minimum of 15 months. If it is stored or transported at low temperatures, crystalline deposits may form but they will re-dissolve at room temperature.

Available pack sizes for Isodur RC:

- 1000kg IBC

Regulatory Information

EU REACH registered: No

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: 2024-06-20 / 23b5



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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 \(/info/shelflife\)](/info/shelflife).

For updates on product information, please check this web page regularly:
<https://kautschuk.com/products/adhesives/isodur-n3300s>
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Central, · Hong Kong, SAR

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

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