

Isodur RC

Chemical names: 27% m-Tolyldiene diisocyanate oligomer (isocyanurate type), 11% aromatic polyisocyanate

CAS Numbers: 9017-01-0, 26006-20-2

Solvent: 62% ($\pm 2\%$) Ethylacetate

Material Definition

Appearance: Slightly yellowish liquid. Product may contain flaky deposits.

NCO content of the solution: $6.5 \pm 0.5 \%$

Viscosity: 15-50 CPS/25°C

Density: 1.02 g/cm³

Solids content: 38% ($\pm 2\%$)

Application

Isodur RC is a highly effective crosslinker for adhesives that are based on polyurethane (PU), natural rubber and synthetic rubber (especially chloroprene rubber, CR). It improves heat stability, hydrolysis resistance, and the resistance to greases, oils, and solvents.

Isodur RC offers an outstanding adhesion promotion for bonding a wide variety of materials. The suggested amount of Isodur RC in adhesives is about 3-5%.

Usage Information

After adding Isodur RC to a polyurethane- or rubber-based adhesive, the mixture must be used within its pot life. The pot life depends on the polymer content as well as on other ingredients like antioxidants, resins, plasticizers, solvents, etc. This pot life can vary from several hours to one day.

Handling, Storage, and Packaging

The processing and use of Isodur RC 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 RC has to be stored in its sealed original containers at temperatures from 5 to 35°C. The product must always be kept in a sealed container as it is highly sensitive to moisture. Properly stored it is stable for a minimum of 12 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:

- 180 kg drums
- 0.8kg Aluminium bottles

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

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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-rc>
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