Isobond® GE 100

Chemical name: Mixture of di- and trifunctional epoxides based on glycidyl glycerol ether

CAS Number: 90529-77-4; 25038-04-4

Isobond® GE 100 is a glycidyl ether used as a rubber to fabric adhesion promoter in pre-dips for the treatment of tyre cord and reinforcing fabric.

Material Definition

Appearance: Viscous, slightly yellowish liquid

Density: Approx. 1.22 g/cm3 @ 25°C

Epoxy Equivalent (WPE): Approx. 140 – 150 g/mol

Viscosity: 160 – 200 mPa.s @ 25°C

Hydrolisiable Chlorine: Max. 0.6 %

Colour No.: Gardener ≤ 1

Refractive Index: 1,476 – 1,482

Application

Isobond® GE 100 is used as a rubber to fabric adhesion promoter in combination with blocked isocyanates (i.e. Kagebond DM-50, Isobond® P, IsoQure® TT). Typical application is as a pre-dip in the double dip process producing polyester tyre cord and reinforcing fabrics.

For details, please refer to Technical Bulletin 03/2003.

Handling, Storage and Packaging

The processing and use of ISOBOND® GE 100 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. Isobond® GE 100 has to be stored in tightly sealed original containers in a cool and dry place. Keep away from strong acids and bases and heavy metals and their salts. Properly stored it is stable for minimum 12 months.

Standard packaging is in drums of 200 kg each or in 1-ton plastic containers.

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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We strive to be accurate in all of our documentation. However, any information or advice is provided by us in good faith, without warranty or unlimited claim of fitness for a specific application. We sell to qualified industrial users only. The onus is on the product's user to research carefully and then to continually test the product and its application procedures within the context of its specific use. Use of our products and data requires diligance and care, and is within the sole responsibility of the user. Kautschuk-Group does not accept any liability for damages incurred. Our general Terms and Conditions (/info/toc) apply.

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/rubber/isobond-ge-100 (https://kautschuk.com/products/rubber/isobond-ge-100)

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