



Isobond[®] GE 100

Technical Data Sheet

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

Hydrolisable 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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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](#).

For updates on product information, please check this web page regularly:
<https://kautschuk.com/products/rubber/isobond-ge-100>