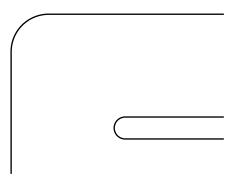


POLYGLYKOL B 01/460

Technical Data Sheet



POLYGLYKOL B 01/460

Base oil component for industrial applications

Composition Polypropylene glycol monobutylether CH₃CH₂CH₂CH₂(OCH₂CHCH₃)_n OH

Product properties ¹ Appearance (20°C)

Color index [APHA] EN 1557

Molecular weight

Water content DIN 51777 pH value (10% in EtOH/water 1:1) Density (20°C) DIN 51757 Viscosity (40°C) DIN 51562 Viscosity (100°C) DIN 51562 Viscosity index ASTM D 2270

Flash point DIN 51376 Four ball test DIN 51350/3B

Pour point ISO 3016

(60min. / 300N)

Clear viscous liquid

Max. 100

Approx. 6000 g/mol

Max. 0.5 %

Approx. 5.0 - 7.0Approx. 0.99 g/cm3

Approx. 680 mm²/s

Approx. 102 mm²/s

Approx. 246

Approx. -36°C

>200°C

Approx. 0.52

Profile

Product properties

Polyglykol B 01/460 is a clear neutral, viscous liquid at room temperature. Polyglykol B 01/460 is insoluble in water, but soluble in many polar organic solvents like acetone or methanol. Polyglykol B 01/460 can be dispersed much better in pure hydrocarbon solvents than the more hydrophilic B 11-type polyglycols. Polyglykol B 01/460 displays a very low solidification point of -36°C and no evaporation loss even at temperatures as high as 100°C. Polyglykol B 01-types have a very low hygroscopy compared to other Polyglykol-types.

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¹ These characteristics are for guidance only and not to be taken as product specifications. The tolerances are given in the product specification sheet. For further product properties, specifications, safety, and ecological data, please refer to the MSDS.



Application

Based on their physical and chemical characteristics B 01-type polyglycols are used for a wide variety of applications.

Fields of industrial application:

- Base oil component for high performance lubricants with low friction coefficients, excellent wear properties and good thermal stability
- Lubricant for refrigeration compressors
- Lubricating component of metalworking fluids
- · Component of auxiliaries for leather and textile processing
- Component for defoamer formulations
- · Reactive alcohol component in chemical reactions
- Solvent for dyes and inks
- Dispersant for pigments

To increase the stability against thermo oxidative degradation, Lubricant Additive 1655 can be used.

Storage instructions

When stored in a cold, dry place in a closed container Polyglykol B 01/460 can be kept for at least two years.

Safety

Further information on handling, storage and dispatch is given in the safety data sheet.

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