

POLYGLYKOL B 01/460

Technical Data Sheet

POLYGLYKOL B 01/460

Base oil component for industrial applications

Composition	Polypropylene glycol monobutylether $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2(\text{OCH}_2\text{CHCH}_3)_n \text{OH}$
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Product properties ¹

Appearance (20°C)	Clear viscous liquid
Color index [APHA] EN 1557	Max. 100
Molecular weight	Approx. 6000 g/mol
Water content DIN 51777	Max. 0.5 %
pH value (10% in EtOH/water 1:1)	Approx. 5.0 – 7.0
Density (20°C) DIN 51757	Approx. 0.99 g/cm ³
Viscosity (40°C) DIN 51562	Approx. 680 mm ² /s
Viscosity (100°C) DIN 51562	Approx. 102 mm ² /s
Viscosity index ASTM D 2270	Approx. 246
Pour point ISO 3016	Approx. -36°C
Flash point DIN 51376	>200°C
Four ball test DIN 51350/3B (60min. / 300N)	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.

Publisher
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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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