

POLYGLYKOL B 01/700

Technical Data Sheet

POLYGLYKOL B 01/700

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	Approx. 22
Refractive index (20°C) DIN 51432	Approx. 1.451
Molecular weight	Approx. 10300 g/mol
Water content DIN 51777	Max. 0.5 %
pH value (1% in Isoprop/water 1:1)	Approx. 6.6
Density (20°C) ASTM D 7042	Approx. 0.988 g/cm ³
Viscosity (40°C) ASTM D 7042	Approx. 1050 mm ² /s
Viscosity (100°C) ASTM D 7042	Approx. 160 mm ² /s
Viscosity index ASTM D 7042	Approx. 270
Pour point ISO 3016	Approx. -36°C
Flash point EN ISO 2719-A	Approx. 227°C
Four ball test DIN 51350/3B (60min. / 300N)	Approx. 0.55 mm
Seizure / welding load	Approx. 1300 / 1400 N

Profile

Product properties

Polyglykol B 01/700 is a clear viscous liquid at room temperature. Polyglykol B 01/700 is insoluble in water, but soluble in many polar organic solvents like acetone or methanol. Polyglykol B 01/700 can be dispersed much better in pure hydrocarbon solvents than the more hydrophilic B 11-type polyglycols. Polyglykol B 01/700 displays a very low solidification point of -36°C and no evaporation loss 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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Switzerland

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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 01/700 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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