Polypropylene glycol (polyoxypropylene diol), Mn ≈ 1000

Polypropylene glycol (polyoxypropylene diol), Mn ≈ 1000 · RS-PPG_1000 · CAS 25322-69-4 · Technical Data Sheet · RawSource · rawsource.com/product/polypropylene-glycol-mn-1000/

CAS NO.	PRODUCT CODE	PRODUCT TYPE
25322-69-4	RS-PPG_1000	Polyether diol · synthesis intermediate

Polypropylene glycol is a polypropylene oxide-based diol with 2 functional groups and a molecular weight of around 1,000. It is used in the synthesis of binders and in the production of water-proof coating, adhesive, elastomers and sports pavement materials. It is a colorless to light yellow transparent liquid.

DISTRIBUTED BY
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GENERAL INFORMATION

Chemical name	Polypropylene glycol (polyoxypropylene diol), Mn ≈ 1000
Molecular weight	around 1,000

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION	TYPICAL
Appearance	Colorless to light yellow transparent liquid	Colorless transparent liquid
Color, APHA	15 max	12
Viscosity	120 – 180 mPa·s	155 mPa·s
Moisture	0.02 % max	0.0133 %
Acid Value	0.05 mg KOH/g max	0.0092 mg KOH/g
Hydroxyl Value	107 – 117 mg KOH/g	114.12 mg KOH/g
pH value	5.0 – 7.5	6.98

Each lot is released against this specification. Lot-specific results are reported on the Certificate of Analysis that ships with every delivery.

APPLICATIONS

- Microporous elastomer
- Semi-rigid polyurethane foam

Applications are those stated for the product. Confirm suitability for each formulation by trials.

HANDLING REQUIREMENTS

- Store in sealed containers in dry conditions.
- Keep away from direct sources of heat.
- The recommended storage temperature is 20 – 35 °C.
- Reclose opened containers tightly immediately after drawing off material.
- The material is hygroscopic, and moisture absorption affects polyol reactivity and the physical properties of the resulting polymer.

PACKAGING AND SHELF LIFE

- 200 kg drums under nitrogen
- 1,000 kg IBC
- Shelf life: 12 months from production date.

The information in this Technical Data Sheet is provided for technical evaluation and is believed to be accurate as of the issue date. Typical values are representative and do not constitute a warranty. Binding specifications are those stated on the lot-specific Certificate of Analysis and in the sales contract. Users should verify suitability for their own process and regulatory requirements. Refer to the Safety Data Sheet before handling. Questions: solutions@rawsource.com.