# Polypropylene glycol (polyoxypropylene diol), Mn ≈ 400

Polypropylene glycol (polyoxypropylene diol), Mn ≈ 400 · RS-PPG_400 · CAS 25322-69-4 · Technical Data Sheet · RawSource · rawsource.com/product/polypropylene-glycol-mn-400/

| CAS NO. | PRODUCT CODE | PRODUCT TYPE |
|---|---|---|
| 25322-69-4 | RS-PPG_400 | Polyether diol · synthesis intermediate |

Polypropylene glycol is a polypropylene oxide-based diol with a molecular weight of around 400. It is used in the synthesis of binders and in the production of polyurethane elastomers, polyurethane injection grouting and one-component polyurethane foam. It is a colorless transparent liquid.

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## GENERAL INFORMATION

| | |
|---|---|
| Chemical name | Polypropylene glycol (polyoxypropylene diol), Mn ≈ 400 |
| Molecular weight | around 400 |

## RELEASE SPECIFICATION

| PARAMETER | SPECIFICATION | TYPICAL |
|---|---|---|
| Appearance | Colorless transparent liquid | Colorless transparent liquid |
| Color, APHA | 15 max | 13 |
| K+ | 3 ppm max | 1 ppm |
| Moisture | 0.05 % max | 0.0234 % |
| Acid Value | 0.05 mg KOH/g max | 0.01 mg KOH/g |
| Hydroxyl Value | 270 – 290 mg KOH/g | 278.48 mg KOH/g |
| pH value | 5.0 – 7.0 | 6.73 |

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

## APPLICATIONS

- One-component 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.