

CARPOL[®] PGP-4025

REACTIVE DIOL

Polyether Polyol

CARPOL[®] PGP-4025 is a propylene glycol-initiated polyether polyol. The resulting material has a functionality of two and an average molecular weight of 4000 Da. This diol is polymerized with propylene oxide and then capped with 25% ethylene oxide. The outcome is a polyol with enhanced reactivity when compared to its counterpart CARPOL[®] PGP-4000. Main applications include C.A.S.E., however, CARPOL[®] PGP-4025 may also be included as a component in other urethane products and formulations.

Typical End Use Applications

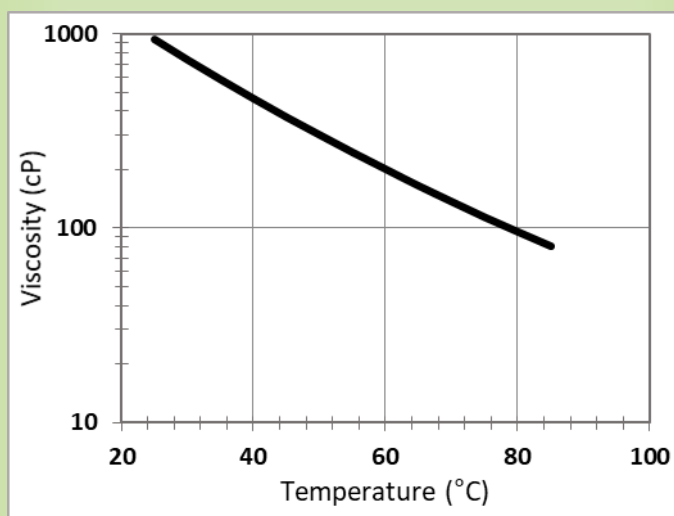
- Coatings
- Sealants
- Binders
- Caulks
- Adhesives
- Elastomers
- Spray Coatings
- Sport Surfaces

Typical Analytical Properties*

Hydroxyl Number (mg KOH / g)	28
pH (10 parts of IPA: 6 parts of H ₂ O)	7.0
Moisture (%)	[maximum] 0.04
Color (APHA)	[maximum] 35
Appearance	Free & Clear
Viscosity @ 25 °C (cP)	1,000
Density @ 25 °C (lb / gal)	8.60
Potassium (ppm)	[maximum] 5.0

*Please note that these values are not specifications

Viscosity Profile



Viscosity Information

77 °F	100 °F	120 °F
1,000 cP	460 cP	300 cP

Storage Information

CARPOL[®] PGP-4025 will absorb water if the product container is not secured properly. This may affect reactivity, appearance, and performance. Therefore, it is advised that all receptacles containing this material be tightly fastened and stored in a dry place.

Consult the Safety Data Sheet for additional information.

Health and Safety Information

Health and safety information is available in the form of a Safety Data Sheet. This literature, describing proper precautions and personal protective gear, is available for review. To receive this information please contact a Carpenter Co. representative.

Ordering and Shipping Options

CARPOL[®] PGP-4025 can be acidified to a nominal pH of either 5 or 6 upon request. These materials are denoted as CARPOL[®] PGP-4025-50 polyether polyol and CARPOL[®] PGP-4025-60 polyether polyol, respectively.

<u>Sample Sizes</u>	<u>Products Packaged/Shipped</u>
1 quart	Drum 460 lb net wt.
1 gallon	Totebin 2,300 lb net wt.
5 gallon	Tankwagon 40,000-45,000 lb net wt. Railcar 185,000-189,000 lb net wt.

For additional information please contact:
Carpenter Co.
Chemicals Division
Customer Service 800-260-5373
5016 Monument Avenue
Richmond VA 23230

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Important: The information contained in this product data sheet is offered for your consideration, investigation, and verification. The data is presented in good faith and is believed to be reliable. Carpenter, however, makes no representation as to the completeness or accuracy. Carpenter makes no warranty, express or implied, with respect to the data contained herein. Carpenter cannot anticipate all conditions under which this data and the product may be used. The conditions of handling, storage, use, and disposal of the product are beyond Carpenter's control. Thus we expressly disclaim responsibility or liability for any loss, damage, or expense arising out of reliance on the information contained herein. You are advised to make your own determination as to safety, suitability, and appropriate manner of handling, storage, use, and disposal. For further information please consult the appropriate Carpenter Safety Data Sheet. **Warning:** These products can be used to prepare a variety of polyurethane products. Polyurethanes are organic materials and must be considered combustible.