



ARCOL[®] PPG-425

Polyether Polyol

CAS No. 25322-69-4

Product Code: KLPG0425

Description

Arcol PPG-425 is a 425-molecular-weight polypropylene glycol. The terminal end-groups are predominantly secondary hydroxyls and have a relatively low reactivity. It is compatible with some polyether polyols and can be blended with other diols or triols to achieve desirable modifications of product properties. This polyol is acidified with a low level of phosphoric acid, making it suitable for use in isocyanate-terminated polymers.

Arcol PPG-425 polyol is used in the production of solid and microcellular urethane elastomers and adhesives. Typical applications include solvent and water-based coatings, high-modulus adhesives, cast elastomers, electrical potting compounds, thermal break, reaction injection moldings, inks, lubricants, antistatic agents, crude oil de-emulsifiers, and plasticizers. As with any product, the use of Arcol PPG-425 polyol in a given application must be tested (including but not limited to field testing) in advance by the user to determine suitability.

Product Specifications

Property	Value
Hydroxyl Number	250–276 mg KOH/g
Water, Wt. % (max)	0.05%
Acid Number	0.05 mg KOH/g (max)
Color, Pt•Co (max)	40

Typical Properties*

Property	Value
Appearance	Clear, viscous liquid
Specific Gravity at 20°C	1.01
Viscosity at 25°C	70 cps
Flash Point, PMCC	187°C
Bulk Density	8.42 lb/gal

Storage

Arcol PPG-425 polyol is slightly hygroscopic and may absorb water. Containers should be kept tightly closed and protected from contamination with moisture and foreign materials, which can adversely affect product quality.

This polyol can become quite viscous at low temperatures. For ease of handling, storage temperatures between ambient room temperature and 60°C (140°F) are recommended.

Health and Safety Information

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling Arcol PPG-425 polyol. Before working with this product, you must read and become familiar with the available information on its hazards, proper use, and handling. This cannot be overemphasized. Information is available in several forms, e.g., material safety data sheets and product labels. Consult your Bayer MaterialScience representative or contact Bayer's Product Safety and Regulatory Affairs Department in Pittsburgh, Pa.

* These items are provided as general information only. They are approximate values and are not part of the product specifications.

Note: The information contained in this bulletin is current as of September 2003. Please contact Bayer MaterialScience to determine whether this publication has been revised.

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