Bayer MaterialScience

Product Information

ARCOL® PPG-4000

Polyether Polyol

CAS No. 25322-69-4
Product Code: KLP4000

Description

Arcol PPG-4000 polyether polyol is a 4,000-molecular-weight polypropylene glycol. The terminal end-groups are predominantly secondary hydroxyls and have a relatively low reactivity. It is compatible with most 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 prepolymers.

Arcol PPG-4000 polyol is typically used in the production of solid and microcellular urethane elastomers, spray elastomers, adhesives, deck and sports coatings, caulks, sealants, deck and sports flooring, inks, lubricants, antistatic agents, crude oil de-emulsifiers, and plasticizers. As with any product, the use of Acrol PPG-4000 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, mg KOH/g	26.5–29.5
Water, Wt. % (max)	0.03
Acid Number, mg KOH/g (max)	0.02
Color, Pt•Co (max)	50

Typical Properties*

Property	Value
Appearance	Clear viscous liquid
Specific Gravity at 20°C	1.01
Viscosity at 25°C, cps	980
Flash Point, PMCC, °C	213
Bulk Density, lb/gal	8.38

Storage

Arcol PPG-4000 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-4000 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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