Bayer MaterialScience

Product Information

ARCOL® PPG-2009

Polyether Polyol

Description

Arcol PPG-2009 polyether polyol is a 2,000-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-2009 polyol can be used in a broad range of polyurethanes and other applications including sealants, elastomers, potting compounds, plywood patch, seamless and sports flooring and defoamers.

Arcol PPG-2009 is a custom grade of Arcol PPG-2000. Special manufacturing measures are taken to ensure polyol purity, resulting in superior processing characteristics in some filled polyurethane systems. As with any product, use of Arcol PPG-2009 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	54.7 - 57.5
Water, Wt. % (max)	0.030
Acid Number, mg KOH/g (max)	0.020
Color, Pt·Co (max)	30

Typical Properties*

Property	Value
Appearance	Clear, viscous liquid
Specific Gravity at 25°C	1.01
Viscosity at 25°C, cps	335 - 370
Flash Point, PMCC,°C	216
Bulk Density, lb/gal	8.38

Storage

Arcol PPG-2009 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 20°C (68°F) 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-2009 polyol. Before working with these products, you must read and become familiar with the available information on their 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 local 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.*

This product is not designated as "Medical Grade" and therefore shall not be considered a candidate for the manufacture of a medical device or of intermediate products for medical devices, which are intended under normal use to be brought into direct contact with the patient's body (e.g., skin, body fluids or tissues, including indirect contact to blood). If the intended use of the product is for the manufacture of a medical device or of intermediate products for medical devices, Bayer MaterialScience LLC must be contacted in advance to provide its agreement to sell such product for such purpose. Nonetheless, any determination as to whether a product is appropriate for use in a medical device or intermediate products for medical devices must be made solely by the purchaser of the product without relying upon any representations by Bayer MaterialScience LLC. For further information, please contact bmsmedicalapplication@bayer.com.*

**Please see the "Guidance on Use of Bayer MaterialScience Products in a Medical Application" document which can be located at baycareonline.com*

Note: The information contained in this bulletin is current as of September 2012, please contact Bayer MaterialScience to determine whether this publication has been revised.

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