



MULTRANOL[®] 3900

Polyether Polyol

Description

Multranol 3900 polyether polyol is a 4,800-molecular-weight polyoxypropylene triol specially modified with ethylene oxide. The terminal end-groups have a high percentage of primary hydroxyl end-groups, giving it a relatively high rate of reactivity with isocyanates. It is compatible with most polyether polyols and can be blended with other diols, triols, and polymer polyols to achieve desirable modifications of product properties.

Multranol 3900 polyol is used in a broad range of urethane foam and other applications, including sealants, caulks, deck coatings, elastomers, tire fill, and reaction injection molding (RIM). As with any product, the use of Multranol 3900 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	33.8–37.2
Water, Wt. % (max)	0.05
Acid Number, mg KOH/g (max)	0.015
Color, Pt•Co (max)	50

Typical Properties*

Property	Value
Appearance	Clear, viscous liquid
Specific Gravity at 25°C	1.02
Viscosity at 25°C, cps	820
Flash Point, PMCC, °C	184
Bulk Density, lb/gal	8.56

Storage

Multranol 3900 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 Multranol 3900 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 the 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 January 2006. Please contact Bayer MaterialScience to determine whether this publication has been revised.

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