Bayer MaterialScience

Product Information

MULTRANOL® 4034

Polyether Polyol

Description

Multranol 4034 is a 625-molecular-weight sucrose-based polyether polyol used primarily in the production of rigid polyurethane foam. It is typically used in the manufacture of residential entry doors, burnstock, building panels and refrigerated transportation vehicles. As with any product, use of Multranol 4034 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	450 - 490
Water, wt. % (max)	0.10
Acid Number, mg KOH/g (max)	0.10
Viscosity at 25°C, mPa·s	30,000 - 38,0000

Typical Properties*

Property	Value
Appearance	Clear amber to dark brown, viscous liquid
Specific Gravity at 25°C	1.10
Flash Point, PMCC,°C	143
Bulk Density at 25°C , lb/gal	9.22

Storage

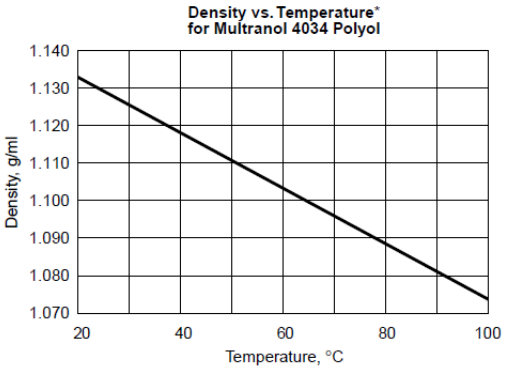
Multranol 4034 polyol is slightly hygroscopic and may absorb water. Containers should be kept tightly closed and protected from contamination with moisture and foreign materials, which can adversely affect processing.

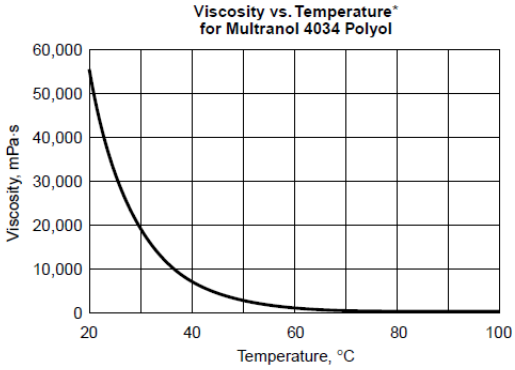
This product can become quite viscous at low temperatures. For ease of handling, storage temperatures between ambient room temperature and 49°C (120°F) are recommended.

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 4034 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 (MSDS) and product labels. Consult your local Bayer MaterialScience representative or Bayer's Product Safety & 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.*





** Data presented in these charts are derived from a single sample and may vary from the typical properties information, which represents values derived by averaging data from various samples.*

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 October 2012, please contact Bayer MaterialScience to determine whether this publication has been revised.

Bayer MaterialScience LLC

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