



SOFTCEL Polyol U-1000

Polyether Polyol

Description

Softcel U-1000 Polyol is a low molecular weight polyol. It may be used with other slabstock performance polyols from Bayer to produce Softcel® V foams, which are characterized by their slow recovery and high damping characteristics.

Applications

Softcel Polyol U-1000 is typically used with Ultracel® 3000 (U-3000) Polyol or Arcol® HS-100 Polymer Polyol to produce Softcel V foams. When properly formulated, these foams exhibit slow yet complete recovery from deformation, low resilience, high vibration damping and body conforming characteristics, which may make them useful in a variety of applications including mattresses and mattress pads, pillows, furniture, wheelchairs, sports equipment, acoustical panels, gasketing and automotive interiors.

As with any product, use of the Softcel U-1000 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	158 - 178
Water, Wt. % (max)	0.05
Suspended Matter	Substantially Free

Typical Properties*

Property	Value
Specific Gravity at 25°C	1.02
Bulk Density at 77°F, lb/gal	8.49
Viscosity at 25°C, cps	200
Flash Point, PMCC, °C	276
Appearance	Clear, viscous liquid

Storage

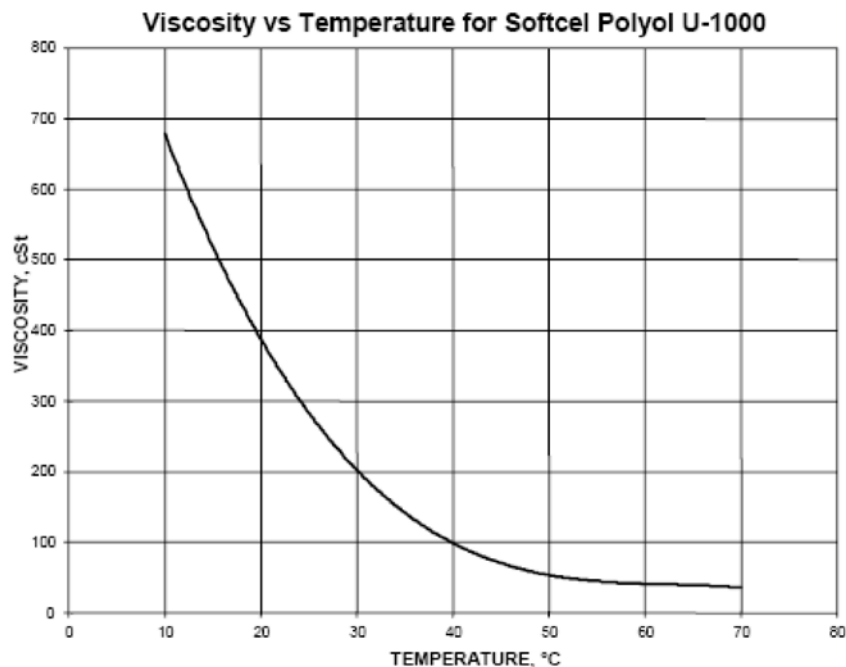
Softcel U-1000 polyol is slightly hygroscopic and may absorb water. Containers should be kept tightly closed and protected from contamination with moisture and foreign materials, which can adversely affect processing.

This product can become quite viscous at low temperatures. For ease of handling, storage temperatures between 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 Softcel U-1000 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. For further information contact your Bayer MaterialScience representative or 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 August 2006. Please contact Bayer MaterialScience to determine whether this publication has been revised.

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This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any patent.

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