



# SOFTCEL VE-1100

## *Polyether Polyol*

### Description

Softcel VE-1100 polyether polyol is a unique polyol for the production of slabstock and molded viscoelastic foam. It provides expanded formulating and processing flexibility and is designed to offer enhanced reactivity and promote cure of high density viscoelastic foams. This allows for the production of a wide range of viscoelastic foam grades with consistent performance properties that can be tailored to end-use applications.

VE-1100 is typically employed as the primary polyether polyol in TDI based formulations of most standard density and firmness grades of slabstock foams. Firm grades may require the addition of a high solids polymer such as Arcol® Polyol HS-100. Low level addition of a high hydroxyl foam modifier/extender is generally recommended to control foam recovery rates. Most other standard chemical intermediates may be employed. Use of a lower functionality MDI such as Mondur® MRS-20 may be beneficial for processing very high density slabstock grades and is recommended for production of molded viscoelastic foam. As with any product, use of Softcel VE-1100 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	116–124 mg KOH/g
Water, Wt. % (max)	0.03%
Suspended Matter	Substantially Free

### Typical Properties\*

Property	Value
Viscosity at 25°C	240 cSt
Specific Gravity at 20°C	1.029
Flash Point, PMCC	212°C
Bulk Density at 20°C	8.59 lb/gal

### Storage

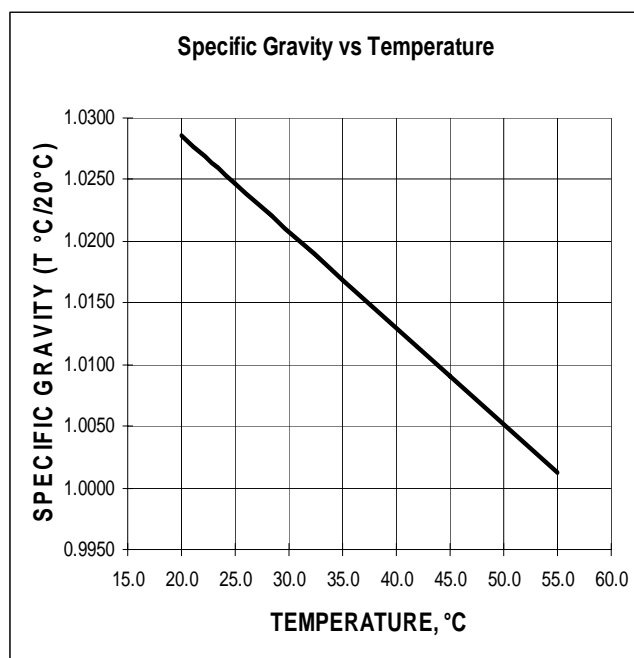
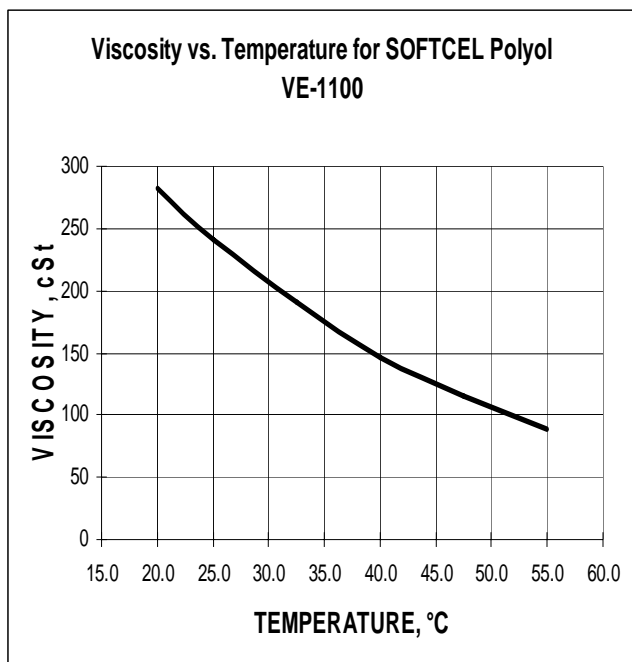
Softcel VE-1100 polyol is slightly hygroscopic and may absorb water. Containers should be kept tightly closed and protected from contamination with moisture and foreign materials, which can adversely affect processing.

This polyol can become quite viscous at low temperatures. For ease of handling, storage temperatures between 20° and 60°C (68° and 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 VE-1100 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 May 2007. Please contact Bayer MaterialScience to determine whether this publication has been revised.

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