

Softcel[®] VE-1100

Characterization

Softcel VE-1100 polyether polyol is a unique polyol for the production of slabstock and molded viscoelastic foam.

Specification Property	Value	Unit of measurement	Method
Hydroxyl number	116 - 124	mg KOH/g	
Water, Wt.	max. 0.03	%	
Suspended matter	Substantially free		

Other data*

Property	Value	Unit of measurement	Method
Specific gravity at 20°C	1.029		
Viscosity at 25°C	240	cSt	
Flash point PMCC	212	°C	
Bulk density at 20°C	8.59	lb/gal	

*These values provide general information and are not part of the product specification.

Properties / Applications

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.

Softcel 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 an addition of a high solids polymer such as Arcol[®] HS-200 polymer. Low level addition of a high hydroxyl foam modifier/extender is generally recommended to control foam recover rates. Most other standard chemical intermediates may be employed. Use of a lower functionality MDI such as Mondur[®] 3694 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.

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Storage

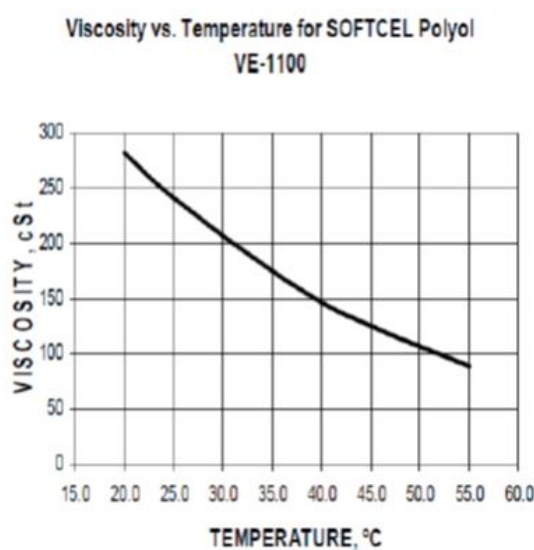
Softcel VE-1100 polyol is slightly hygroscopic and may absorb water. Containers should be kept tightly closed and protected from contamination with moisture and foreign materials, which can adversely affect product quality. This polyol can become quite viscous at low temperatures. For ease of handling, storage temperatures between 15°C (59°F) and 60°C (140°F) are recommended.

The shelf life is twelve months after receipt of material by customer, when stored in sealed original containers under conditions stated above.

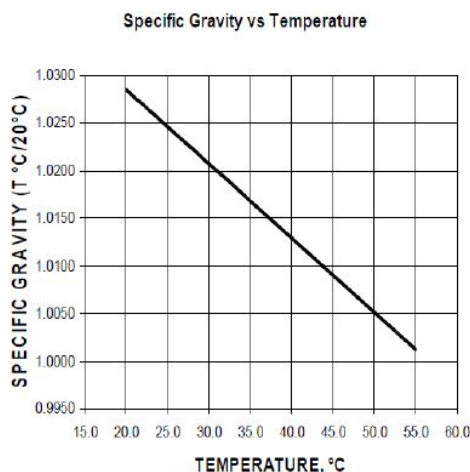
Health and Safety Information

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling this product. Before working with this product, you must read and become familiar with the available information on its risks, proper use, and handling. This cannot be overemphasized. Information is available in several forms, e.g., safety data sheets and product labels. For further information contact your Covestro LLC representative or the Product Safety and Regulatory Affairs Department in Pittsburgh, PA.

Charts/tables/graphs



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

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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, Covestro LLC must be contacted in advance, in writing, 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 Covestro LLC. For further information, please see the "Guidance on Use of Covestro Products in a Medical Application" document which can be located at www.productsafetyfirst.covestro.com

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