Bayer MaterialScience

Product Information

ARCOL® E-919

Polyether Polymer Polyol

Description

Arcol E-919 polymer polyol is a 29% total solids polymer polyol for increasing the load bearing capacities of HR foams. It is based on a reactive, EO capped, triol of approximately 1,600 equivalent weight. Arcol E-919 offers good processing and formulating latitude over a wide range of dilutions with various HR base polyols. This enables the user to produce a broad range of high quality HR foam grades.

As with any product, use of Arcol E-919 polyol in a given application must be tested (including but not limited to field testing) in advance by the user to determine suitability.

Warning: The oxidation inhibitor components in Arcol E-919 polyol may not provide adequate protection against scorch and/or fire in the production of lower density foams by a slabstock or box machine process. If used in the production of such foam, the user needs to insure that adequate oxidation inhibitor is added (through diluent polyol or direct addition) to safely produce the intended foam grades.

Product Specifications

Property	Value
Hydroxyl Number, mg KOH/g	25.4 ± 2.0
Water, Wt. % (max)	0.06
Suspended Matter	Substantially free

Typical Properties*

Property	Value
Specific Gravity at 20°C	1.045
Bulk Density at 20°C, lb/gal	8.69
Viscosity at 25°C, cks	2500
Specific Gravity, 20/20°C	1.045

Storage

Arcol E-919 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 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 Arcol E-919 polyol. Before working with these products, you must read and become familiar with the available information on their 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 local 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.*

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

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