Bayer MaterialScience

Product Information

MULTRANOL® 8160

Natural Oil Derived Polyether Polyol

Description

Multranol 8160 is a polyether polyol with a 60 percent by weight renewable content derived from soybean oil and glycerin. It may be used to substitute for up to 50% of conventional polyester polyol in the production of polyisocyanurate rigid foams with little to no adverse impact on properties. Substitution levels of up to 100 percent may be suitable for some polyurethane applications since Multranol 8160 polyol is designed to provide excellent processing. As with any product, the use of Multranol 8160 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	200 - 220
Viscosity @ 25°C, mPa•s	50 - 250

Typical Properties*

Property	Value
Water, wt. %	0.1
Acid Number, mg KOH/gm	0.3
Bulk Density, @25°C, lb/gal	8.49
Flash Point, PMCC, °C	> 200

Storage

Multranol 8160 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 extremely low temperatures. For ease of handling, storage temperatures between 10°C (50°F) and 40°C (104°F) are recommended.

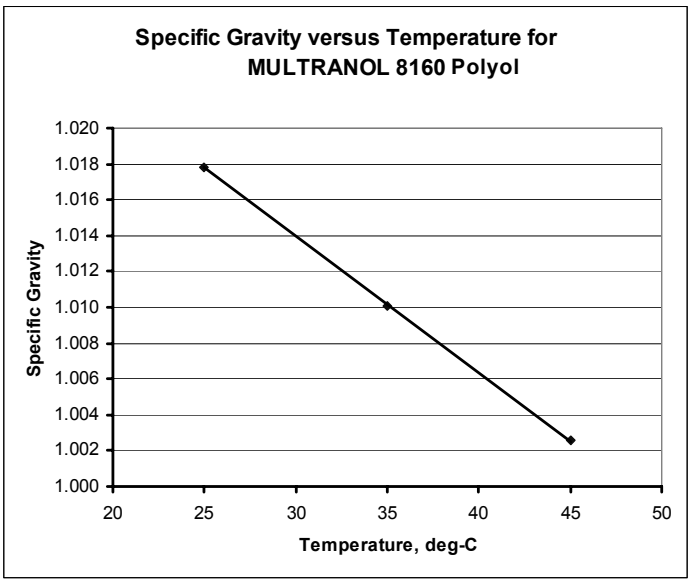
Renewable Content

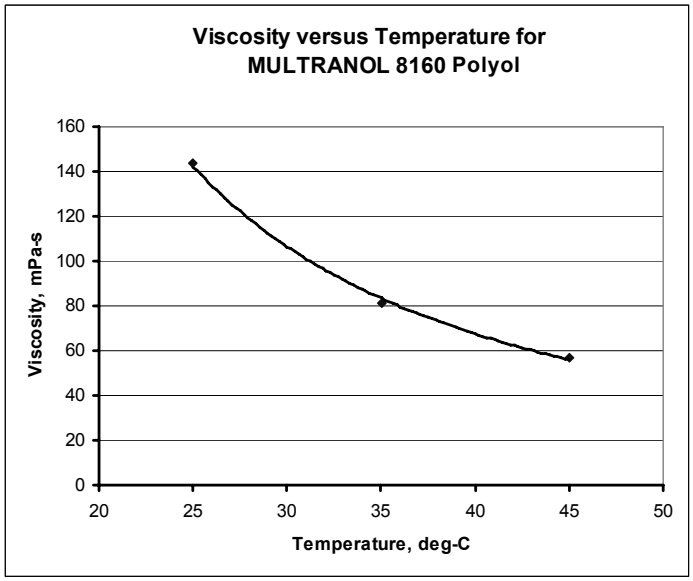
Multranol 8160 polyol will contain a minimum level of 57 weight percent and a maximum level of 63 weight percent of renewable content on an overall basis. The values are calculated from the definition of the process used to produce the product, and are believed to be representative. The renewable content of Multranol 8160 polyol is not a product specification.

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 8160 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 Bayer MaterialScience representative or contact the Health, Safety, environment and Quality (HSEQ) 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 February 2009. Please contact Bayer MaterialScience to determine whether this publication has been revised.

Bayer MaterialScience LLC

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