

Poly-G[®] 30-280

Poly-G[®] * 30-280 polyol is an oxypropylated polyether triol containing all-secondary hydroxyl groups. It is used mainly where a high degree of crosslinking is required – typically, urethane coatings, elastomers, electrical potting compounds and filled elastomers, such as plywood patch.

Poly-G 30-280 polyol has a nominal molecular weight of 600. It is a stable, practically colorless liquid that is neither volatile nor corrosive, with a low pour point and high flash point.¹

Typical physical properties are presented in Table 1. The effects of temperature on the viscosity and specific gravity are shown in Figures 1 and 2, respectively.

Table 1
Typical Physical Properties

Hydroxyl No. (mg KOH/g)	274
Water (% by weight), max	0.03
Acid No. (mg KOH/g), max	0.05
Color (APHA)	40
pH in 10/6 Isopropanol/Water	6.5
Viscosity @ 25°C (cs)	275
Specific Gravity @ 25°C/25°C	1.037
Flash Point ¹ , COC	
(°C)	262
(°F)	504
Density @ 25°C (lb/gal)	8.60

Storage and Handling

Poly-G 30-280 polyol presents no unusual problems for ordinary handling and storage. Consideration must be given to some of its properties when high product purity must be maintained.

Poly-G 30-280 polyol is hygroscopic. While water content at the time of shipment is extremely low, the product can absorb atmospheric moisture in amounts up to several percent of its weight.

¹The flammability properties of this material, or any other material, are not intended to reflect the fire hazards presented by any resultant cellular or foamed plastic product.

Figure 1
Viscosity vs. Temperature
Poly-G 30-280 polyol

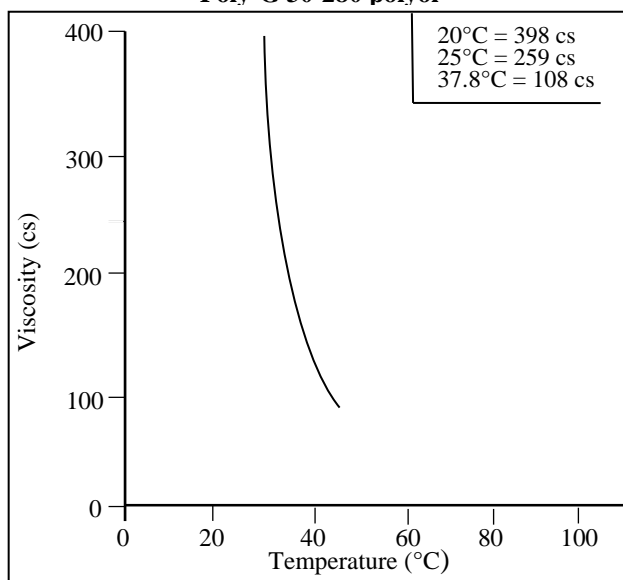
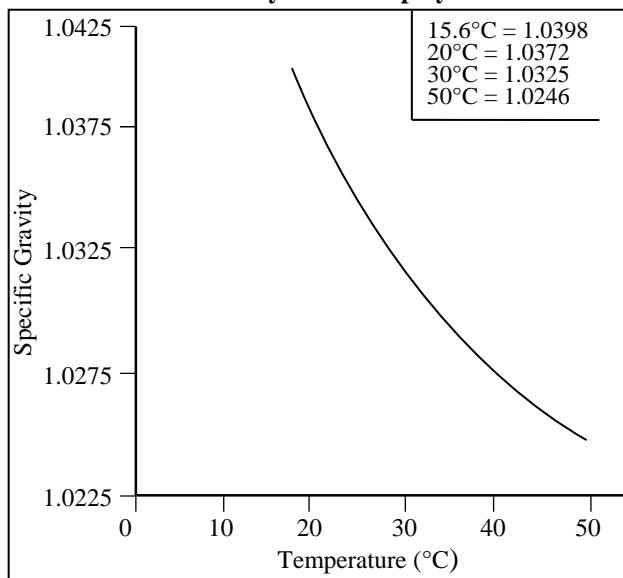


Figure 2
Specific Gravity vs. Temperature
Poly-G 30-280 polyol



Thus, storage should be in drums or bulk tanks under a blanket of dry nitrogen or -40° dew point dry air. Calcium chloride or silica gel drying systems should be installed on all vents to prevent atmospheric moisture from entering the tank. See Monument Chemical Data Sheet "Storage and Handling of Poly-G Polyols" for recommendations of construction materials and heating systems

For More Information

Technical Service

Technical service is available to facilitate further use of Monument Chemical products. If you have a specific question or need further information, please write or call Monument Chemical, Customer Service, 2450 Olin Road, Brandenburg, KY 40108; (800) 636-3786, or fax: (270) 422-6456.

Or visit our web site at: www.monumentchemical.com

How To Order

To place orders for delivery in the U.S. or Canada and to get fast answers on order status or product availabilities, call our toll-free number: (800) 636-3786.

For written inquiries about orders, and to place confirmations, send to Monument Chemical, Customer Service, 2450 Olin Road, Brandenburg, KY 40108.

Please refer to the Safety Data Sheet (SDS) for complete information on Storage and Handling, Toxicological Properties, Personal Protection, First Aid, Spill and Leak Procedures, and Waste Disposal. To order an SDS, call Monument Chemical at (800) 636-3786. Before using or handling this product, the SDS should be thoroughly reviewed.

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