

Poly-G[®] 20-58

Poly-G[®]* 20-58 polyether diol is an extremely versatile polyol. It can produce elastomers with a good balance of physical properties and is also a key element in flexible urethane coatings and adhesives.

Up to 30% of *Poly-G* 20-58 polyol added to the triol will produce flexible foams with the improved tensile, tear and elongation strength desired for super-soft formulations.

Based entirely on propylene oxide, *Poly-G* 20-58 polyol has a nominal molecular weight of 1,900. 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**

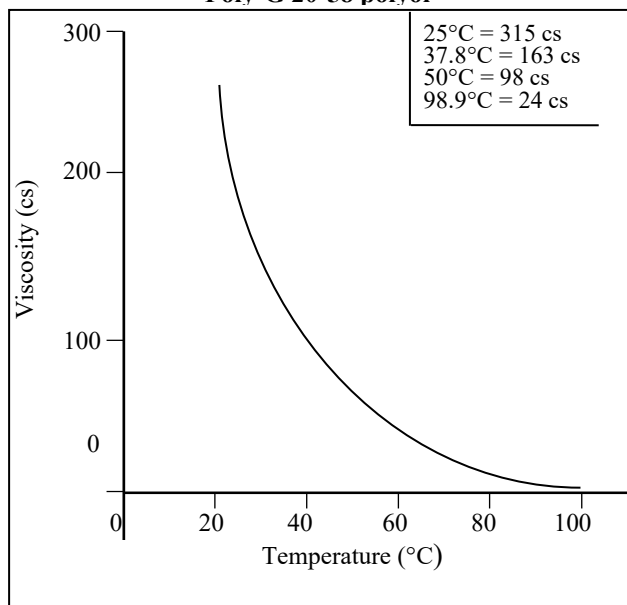
Hydroxyl No. (mg KOH/g)	60
Water (% by weight)	0.05
Acid No. (mg KOH/g)	0.05
Color (APHA)	10
pH in 10/6 Isopropanol/Water	6.0
Viscosity @25°C (cs)	315
Specific Gravity @25°C/25°C	1.002
Flash Point ¹ , COC	
(°C)	241
(°F)	465
Density @25°C (lb/gal)	8.33

Storage and Handling

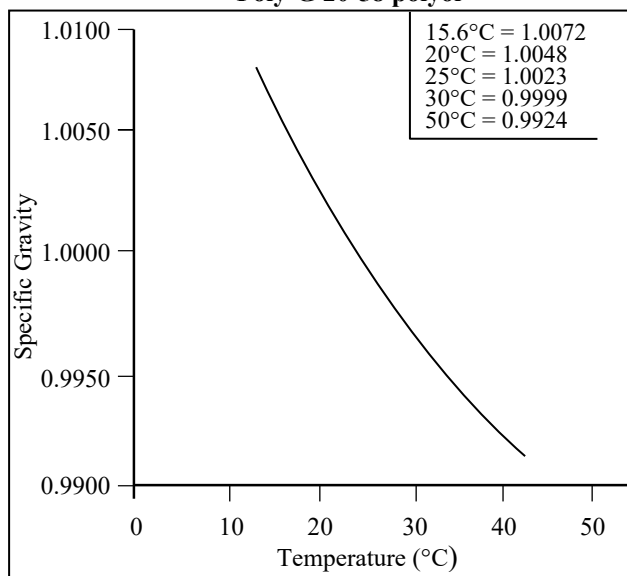
Poly-G 20-58 polyol presents no unusual problems for ordinary handling and storage. Consideration must be given to some of its properties when high product purity must be maintained.

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 20-58 polyol**



**Figure 2
Specific Gravity vs. Temperature
Poly-G 20-58 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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