

Poly-G[®] 540-378, 540-450, 540-555

Poly-G® 540-378, 540-450, 540-555 polyols are polyether tetrols. Each tetrol contains four secondary hydroxyl functional groups. Typical applications are the use of these tetrols as crosslinkers in polyurethane elastomer and coatings formulations.

Typical physical properties of *Poly G* 540-378, 540-450, 540-555 polyols 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**

Poly-G	540-378	540-450	540-555
Hydroxyl No. (mgKOH/g)	378	450	555
Color (APHA) maximum	30	50	50
Water Content, wt%, max	0.05	0.05	0.05
Acid No., mg KOH/g, max	0.05	0.05	0.05
Na & K, ppm maximum	5	5	5

Storage and Handling

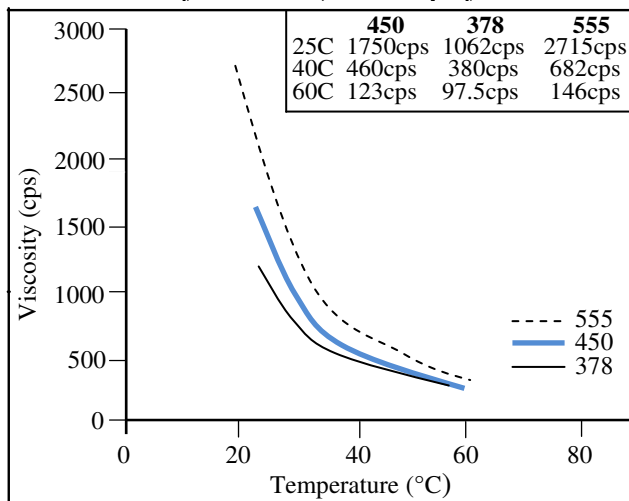
Poly-G 540-378, 540-450 and 540-555 polyols present no unusual problems for ordinary handling and storage. Consideration must be given to some of its properties when high product purity must be maintained.

Poly-G 540-378, 540-450 and 540-555 polyols are 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. Thus, storage should be in drums or bulk tanks containing a blanket of dry nitrogen or - 40degree dew point dry air under conditions below 130F.

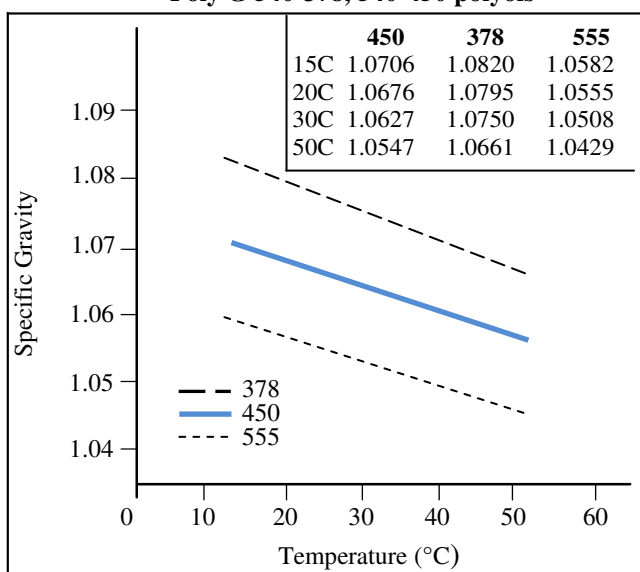
Calcium chloride or silica gel drying systems should be installed on all vents to prevent atmospheric moisture from entering the tank. See Monument Chemical Data Sheet "Storage and Handling of *Poly-G* Polyols" for recommendations of construction materials and heating

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 540-378, 540-450 polyols**



**Figure 2
Specific Gravity vs. Temperature
Poly G 540-378, 540-450 polyols**



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

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