

Poly-Q[®] 53-35

Poly-Q 53-35 is a polyether polyol with a high content of primary hydroxyl groups for enhanced reactivity. It can be used in applications ranging from soft elastomers to spray rigid foam.

An amine-based, high functionality polyol, Poly-Q 53-35 polyol has a nominal molecular weight of 8,000 and is catalytic for polyurethane reactions. It is a stable, practically colorless liquid that is neither volatile nor corrosive; with a low pour point and high flash point.

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.

Typical Properties

Hydroxyl No. (mg KOH/g)	35
Water (% by wt.)	0.05
Color (APHA)	100
pH in 10/6 Isopropanol/water	10.0
Viscosity 25°C, cps	1250
Specific Gravity, 25/25°C	1.034
Density, 25°C, (lb./gal)	8.6
Flash Point, COC	
°C	220
°F	428

Note: The properties reported above are typical physical properties. Monument Chemical in no way guarantees that the product from any particular lot will conform exactly to the given values.

Figure 1
Viscosity vs. Temperature
Poly-Q 53-35

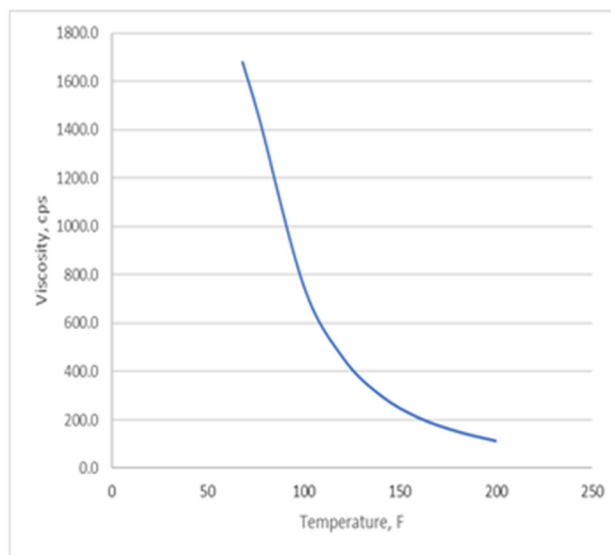
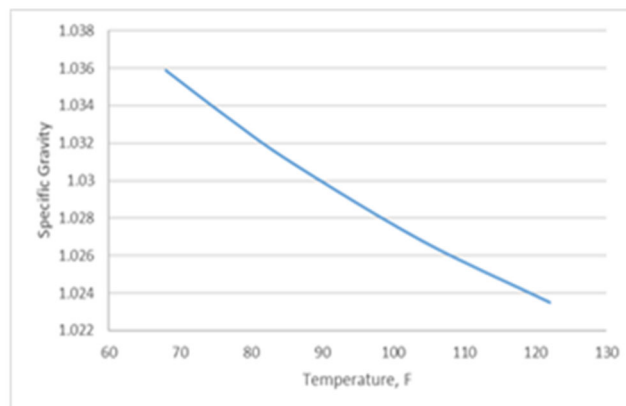


Figure 2
Specific Gravity vs. Temperature
Poly-Q 53-35



Health and safety information

Under current U.S. OSHA's Hazardous Communication program Poly-Q 53-35 is not considered hazardous.

Observe good industrial hygiene practices and use appropriate Personal Protective Equipment.

For full safety information please refer to the Safety Data Sheet.

Storage and Handling

Poly-G 53-35 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-Q 53-35 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. Thus, storage should be in drums or bulk tanks under a blanket of dry nitrogen or -40° dew point dry air.

Provided proper storage and handling precautions are taken, Poly-G 53-35 manufactured and delivered by Monument Chemical is stable for at least 24 months from the date of manufacture. Poly-G 53-35 that is subsequently repackaged, handled and/or delivered by third parties may have a different shelf life and may require third party shelf life studies. Product past the expiration date should be evaluated to confirm that all specifications are within their limits before use.

Additional Information

To learn more about Monument Chemical and the products and services we offer please visit our website at www.monumentchemical.com.

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Disclaimers

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, email SDS@monumentchemical.com. Before using or handling this product, the SDS should be thoroughly reviewed.

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