

Poly-G® 11-102

Poly-G® 11-102 is a nominal 550 molecular weight methoxypolyethylene glycol. It has a high level of primary hydroxyl and has high hygroscopicity. The application areas for Poly-G 11-102 range from surfactant and detergents to chemical intermediates. It can also serve as a glass transition modifier in visco-elastic foams.

Poly-G 11-102 is a stable, practically colorless liquid that is neither volatile nor corrosive; with a high flash point.

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

Features:

- Hydrophilic
- Low Viscosity

Applications:

- Adhesive
- Plasticizer for Flexible Foam

Benefits:

Poly-G® 11-102 is a monofunctional ethoxylate with a nominal molecular weight of ~ 550. It is a low color liquid with relative high transparency; slightly acidic and non-volatile at ambient temperatures and low viscosity for easy dispersion.

Figure 1
Viscosity vs. Temperature
Poly-G 11-102

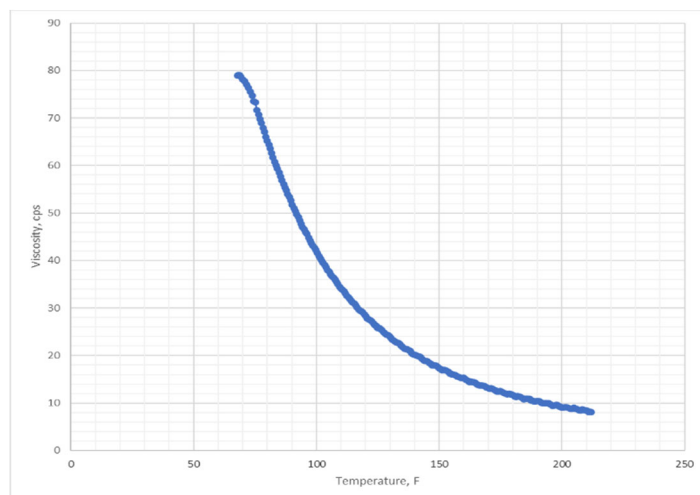
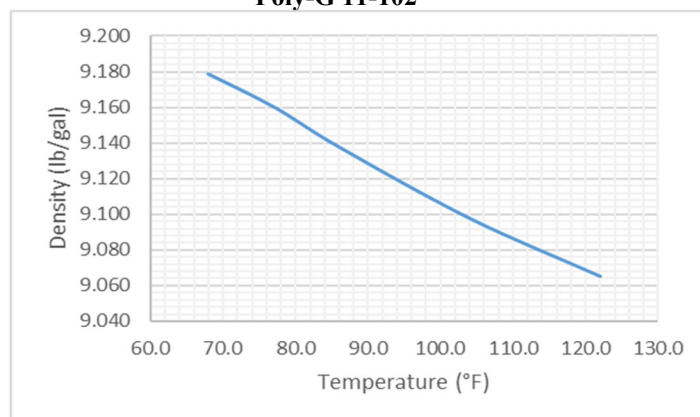


Figure 2
Specific Gravity vs. Temperature
Poly-G 11-102



Typical Properties

Hydroxyl No, mg KOH/g	102
Viscosity 25°C, cP	60
Density 25°C, lb/gal	9.2
Specific Gravity 25°C/25°C	1.10
Avg. Mol Wt. (g/mol.)	550
Appearance @ 50 °F	Clear
Water (% wt), Max	0.5
Color (APHA)	50
pH in 10/6 - IPA/H ₂ O	6.0
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.

Health and safety information

Under current U.S. OSHA's Hazardous Communication program Poly-G® 11-102 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 11-102 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 11-102 is hygroscopic. While water content at the time of shipment is 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® 11-102 manufactured and delivered by Monument Chemical is stable for at least 24 months from the date of manufacture. Poly-G® 11-102 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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Revision: 1

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.

Monument Chemical believes the information in this specific product Technical Data Sheet (TDS) is accurate, but makes no representations as to the sufficiency or completeness of the product or information in this TDS and makes no commitment to correct or bring up-to-date any such information and makes no commitment related to the use of the product in combination with other chemicals or as part of any other chemical processes. MONUMENT CHEMICAL MAKES NO WARRANTY TO THE USER OR RECIPIENT OF ANY PRODUCT FROM MONUMENT CHEMICAL, OR WITH RESPECT TO THE INFORMATION PROVIDED WITH THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY, OF

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