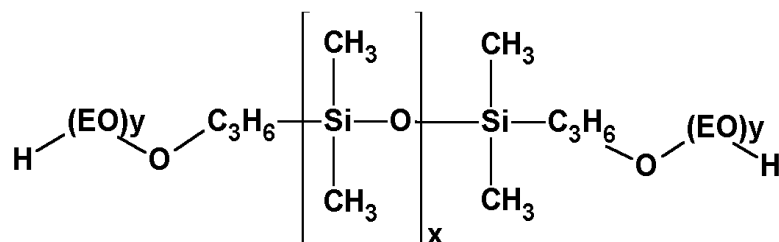




## Product Information

### GP-1070 ABA SILICONE POLYOL COPOLYMER (CAS No. 102783-01-7)

Genesee Polymers' GP-1070 ABA SILICONE POLYOL COPOLYMER is a 100% active non-ionic silicone polyol block copolymer with the following structure:



GP-1070 ABA SILICONE POLYOL COPOLYMER contains polyoxyethylene blocks and dimethyl silicone polymer blocks, which are joined through non-hydrolyzable silicon to carbon bonds.

GP-1070 is designed to function as an emulsifier, wetting agent and profoaming additive for a variety of applications including: polyurethane foams, hard surface cleaners and polishes, and cosmetic formulations.

GP-1070 contains a primary hydroxyl group at each end of the molecule, allowing for reaction with isocyanates in polyurethane resin systems. This is expected to improve flow and leveling of polyurethane coatings and impart non-stick characteristics to the cured coatings.

In textile applications, GP-1070 is suggested as a fiber lubricant where more thermal stability is needed than is provided by organic lubricants such as stearates or mineral oils.

GP-1070 is soluble in lower alcohols (EtOH, IPA) and dispersible in water, along with aliphatic and aromatic hydrocarbons.

INNOVATIVE POLYMER TECHNOLOGY

<b>TYPICAL PROPERTIES</b>	
<b>IR</b>	<b>Typical</b>
<b>Color</b>	<b>0 – 200 (APHA)</b>
<b>Non-volatile Content</b>	<b>98 – 100%</b>
<b>Refractive Index</b>	<b>1.410 – 1.450 mPa's</b>
<b>Viscosity @ 77° F</b>	<b>300 - 600 cP</b>
<b>Appearance</b>	<b>Clear to slightly hazy, colorless to light straw liquid.</b>
<b>Specific Gravity</b>	<b>1.014 – 1.025</b>

<b>APPLICATIONS</b>
<p><b>Foaming Hand Sanitizer</b></p> <p><b>Glass Cleaner Ingredient</b></p> <p><b>Thread Lubricant (Textiles)</b></p> <p><b>Polyurethane Foam (Cell Control Agent)</b></p> <p><b>Leveling and Flow Control Agent</b></p>



SPECIAL FEATURES
Low Surface Tension
Contains Primary Hydroxyl Groups
Non-Hydrolyzable

### PROCESSING AND SAFETY GUIDELINES

*GP-1070 ABA SILICONE POLYOL COPOLYMER* has a very low order of toxicity, but should still be handled with all precautions common to the use of any industrial chemical product. *GP-1070* becomes hazy when stored below 77° F. Heating above this temperature restores clarity.

For additional information refer to Material Safety Data Sheet.

### PACKAGING/HANDLING/STORAGE

*GP-1070 ABA SILICONE POLYOL COPOLYMER* is supplied in 5-gallon (19 kg.) pails, 55-gallon (212 kg.) drums, 275-gallon (1061 kg.) totes, and 330-gallon (1274 kg.) totes.

Moisture Sensitive. Keep containers tightly sealed. Store between 80-90° F.



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