



Product Information

GP-218 SILICONE POLYOL COPOLYMER

Genesee Polymers' *GP-218 SILICONE POLYOL COPOLYMER* is a 100% active polypropylene oxide modified dimethylpolysiloxane block copolymer, which is designed to improve the quality and performance of solvent-based, baked on industrial finishes. The combination of polysiloxane and pendant polypropylene oxide segments provides excellent lubricity and low surface tension, which improves the wetting, leveling and flow of solvent-based coatings.

GP-218 is also recommended for evaluation in polyurethane foam systems – as a profoamer additive. Other applications include, textile and thread lubricants, internal lubricant for plastics and base material for aqueous defoaming agents.

GP-218 contains stable $\equiv \text{Si} - \text{C} \equiv$ bonds between silicone and polyol blocks and exhibits excellent resistance to hydrolysis.

TYPICAL PROPERTIES	
Appearance	Clear, Colorless to Light Amber Liquid
Viscosity, 77° F	1500 cSt
Flash Point (P.M.C.C.)	>300° F
Weight/Gallon	8.0 lbs.
Specific Gravity	0.98
% Active	100%
% Silicone	32%
Molecular Weight	11,000 (Calculated)
Polyol Type	Polyoxypropylene (PO)
Solubility	Aliphatic & Aromatic Hydrocarbons, Chlorinated Hydrocarbons and Alcohols
Solubility in Water	Insoluble

APPLICATIONS

Thread Lubricant

Pigment Dispersant

Wetting Agent – Solvent Systems

Leveling and Flow Control Agent – Solvent Coatings

Urethane Bubble Release Additive (Coatings)

Release Agent

Antifoam - Aqueous Systems

Polyurethane Foam Additive (Profoamer)

SPECIAL FEATURES

Low Surface Tension

Excellent Lubricity

Thermal Stability

Low Toxicity

Non-Hydrolyzable

PROCESSING AND SAFETY GUIDELINES

GP-218 SILICONE POLYOL COPOLYMER has been formulated to be compatible with solvent-based coatings and adhesives.

GP-218 should be handled with all of the precautions required in handling any industrial chemical product. Consult the Safety Data Sheet for additional details.

PACKAGING/HANDLING/STORAGE

GP-218 SILICONE POLYOL COPOLYMER is supplied in 5-gallon (40 lbs.) pails, 55-gallon (440 lbs.) drums and 330-gallon (2640 lbs.) totes.

No special handling or storage is required.



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