

GP-344 SILICONE FLUID

Genesee Polymers' *GP-344 SILICONE FLUID* is an amine functional silicone polymer with the following structure where x = 200 and y = 2:

The amine-alkyl functionality of *GP-344 SILICONE FLUID* provides a versatile reaction site for the synthesis of a wide variety of silicone/organic copolymers, which may be tailored for use in textiles, coatings, car polishes and many other applications. The presence of polar amine groups also gives greater affinity to many substrates, suggesting uses of *GP-344* in lubricant, coating and mold release formulations.

GP-344 SILICONE FLUID is compatible with dimethyl silicone fluids and with aliphatic, aromatic and chlorinated hydrocarbon solvents.

Product Code: C-1932 Version: 3.0 Revision Date: January 22, 2019

TYPICAL PROPERTIES	
Appearance	Clear to Hazy, Colorless to Straw Liquid
Weight/Gallon	8.0 lbs.
Molecular Weight	15,282 (Calculated)
Viscosity	700 cPs
Flash Point (P.M.C.C.)	>300° F
Refractive Index	1.4086
Specific Gravity	1.0
% Active	100%
Amine Number*	27

^{*}Number of mls. 0.1 N HCl needed to neutralize 10.0 gms. of GP-344

APPLICATIONS

Silicone - Organic Copolymer Synthesis

Rubber and Plastic Mold Release

Internal Mold Release

Detergent Resistant Car Polishes

SPECIAL FEATURES

High Amine-Alkyl Content

Stable Indefinitely in Closed Containers

Good Heat Stability



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PROCESSING AND SAFETY GUIDELINES

Genesee Polymers' *GP-344 SILICONE FLUID* is an alkaline material because of its amine content. Care should be exercised in handling to prevent contact with skin or eyes. Wear safety glasses with side shields and rubber gloves when handling. When used in spray applications, avoid breathing vapors. Consult Safety Data Sheet for additional details.

PACKAGING/HANDLING/STORAGE

GP-344 SILICONE FLUID is supplied in 5-gallon (40 lbs.) pails, 55-gallon (440 lbs.) drums and 330-gallon (2640 lbs.) totes.



www.gpcsilicones.com

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