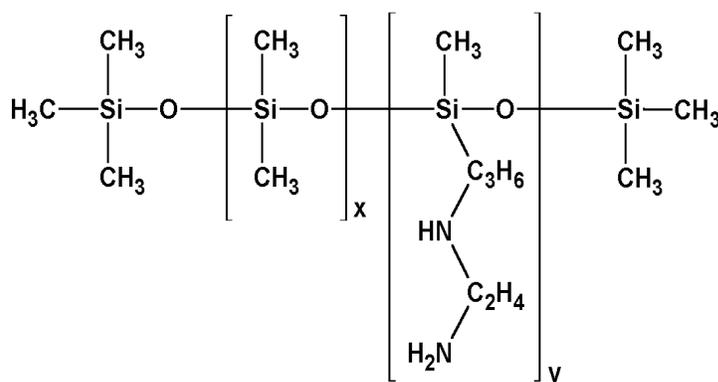




Product Information

GP-316 AMINE FUNCTIONAL SILICONE FLUID

Genesee Polymers' *GP-316 AMINE FUNCTIONAL SILICONE FLUID* is an amine functional silicone polymer with the following structure where $x = 400$ and $y = 8$:



The amine-alkyl functionality of *GP-316 AMINE FUNCTIONAL 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-316* in lubricant, coating and mold release formulations.

GP-316 AMINE FUNCTIONAL SILICONE FLUID is compatible with dimethyl silicone fluids and with aliphatic, aromatic and chlorinated hydrocarbon solvents.

INNOVATIVE POLYMER TECHNOLOGY

TYPICAL PROPERTIES	
Appearance	Clear To Hazy, Colorless to Straw Liquid
Weight/Gallon	8.0 lbs.
Viscosity	3000 cPs
Flash Point (P.M.C.C.)	>300° F
Refractive Index	1.4109
Molecular Weight	31,042 (Calculated)
Specific Gravity	1.0
% Active	100%
Amine Number*	54

*Number of mls. 0.1 N HCl needed to neutralize 10.0 gms. of *GP-316*

APPLICATIONS
<p>Silicone - Organic Copolymer Synthesis</p> <p>Rubber and Plastic Mold Release</p> <p>Foundry Release Agents</p> <p>Internal Mold Release</p> <p>Detergent Resistant Car Polishes</p>

SPECIAL FEATURES
<p>High Amine-Alkyl Content</p> <p>Stable Indefinitely in Closed Containers</p> <p>Good Heat Stability</p>



PROCESSING AND SAFETY GUIDELINES

Genesee Polymers' *GP-316 AMINE FUNCTIONAL 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-316 AMINE FUNCTIONAL SILICONE FLUID is supplied in 5-gallon (40 lbs.) pails, 55-gallon (440 lbs.) drums and 330-gallon (2640 lbs.) totes.



www.gpcsilicones.com

This information is based on tests believed to be reliable. It is given only for your information and no warranty, express or implied, is made as we cannot guarantee the test conditions not under our direct control. This data is not intended as authorization or recommendation to practice a patented invention without knowledge or permission of the patent owner.