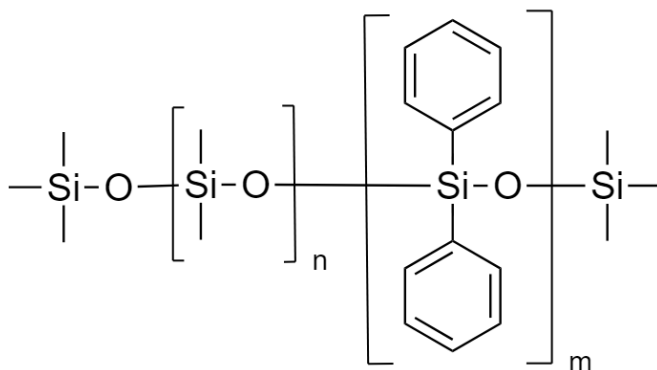




## Product Information

### GP-1171 (12500) SILICONE FLUID

Genesee Polymers' *GP-1171 (12500) SILICONE FLUID* is a dimethyl-diphenyl siloxane fluid with a viscosity of 12,500 cP with the following structure:



*GP-1171 (12500) SILICONE FLUID* has a diverse array of applications, especially for use as a lubricant in rubber, plastic, and metal (particularly aluminum) applications. *GP-1171 (12500)* has high thermal and oxidative stability over a wide range of temperatures and is especially useful in high or low temperature applications including use in electronics, oil baths, and as a thermostat fluid. This uniquely high temperature stability, coupled with its high shear resistance, makes *GP-1171 (12500)* an ideal choice as a metal processing fluid in milling and heat transfer applications.

*GP-1171 (12500) SILICONE FLUID* can also be utilized as an optical compatibilizer in organic and silicone resin formulations. The high refractive index of *GP-1171 (12500)* can boost the clarity of cured resins and improve the appearance of clear plastics, while still promoting mold release.

<b>TYPICAL PROPERTIES</b>	
<b>Appearance</b>	<b>Clear Fluid</b>
<b>Weight/Gallon</b>	<b>8.5 lbs.</b>
<b>Flash Point (P.M.C.C.)</b>	<b>&gt;300°C</b>
<b>% Silicone</b>	<b>100%</b>
<b>Refractive Index</b>	<b>1.44</b>
<b>Viscosity</b>	<b>12,500 cP</b>
<b>Operational Temperature Range</b>	<b>-65°C / 260°C</b>
<b>Specific Gravity</b>	<b>1.02</b>

<b>APPLICATIONS</b>
<p><b>Specialty Lubricant for High Temperature Uses</b></p> <p><b>Heat Exchange Fluid</b></p> <p><b>Electronics</b></p> <p><b>High Temperature Oil Baths</b></p>

<b>SPECIAL FEATURES</b>
<p><b>Low Volatility</b></p> <p><b>Stable Indefinitely in Closed Containers</b></p> <p><b>High Heat Stability</b></p>



## PROCESSING AND SAFETY GUIDELINES

Genesee Polymers' *GP-1171 (12500) 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-1171 (12500) SILICONE FLUID* is supplied in 5-gallon (19 kg) pails, 55-gallon (212 kg) drums and 330-gallon (1274 kg) totes.



[www.gpcsilicones.com](http://www.gpcsilicones.com)

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