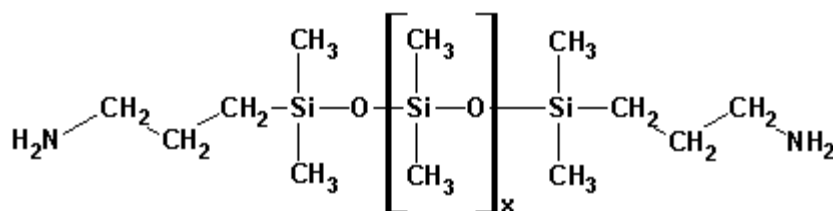




## Product Information

### GP-965 AMINOPROPYL TERMINATED POLYDIMETHYLSILOXANE



x = Approx. 9

CAS Number: 106214-84-0

Genesee Polymers' *GP-965 AMINOPROPYL TERMINATED POLYDIMETHYLSILOXANE (900 MW)* is an amine-alkyl terminated dimethyl silicone polymer, which is intended for use as a component in the synthesis of silicone - organic block copolymers.

*GP-965* is made by a unique process that gives essentially pure gamma-amine propyl substitution without the beta-amino propyl impurity sometimes found in this type of polymer. This is expected to be particularly important in production of silicone – polyimide copolymers useful for high temperature electronics applications. Other silicone – organic copolymers that can be made with *GP-965* include epoxy, polyurethane and polyamide silicone copolymers.

The polar amine groups in *GP-965 AMINOPROPYL TERMINATED POLYDIMETHYLSILOXANE (900 MW)* also demonstrate high affinity for many substrates, suggesting use of *GP-965* in textile lubricants, plastic and rubber release and lubrication, and in car polish formulations.

*GP-965 AMINOPROPYL TERMINATED POLYDIMETHYLSILOXANE (900 MW)* is compatible with dimethyl silicone fluids, and with aliphatic, aromatic and chlorinated solvents.

**INNOVATIVE POLYMER TECHNOLOGY**

<b>TYPICAL PROPERTIES</b>	
<b>Appearance</b>	<b>Clear, Colorless to Light Straw Liquid</b>
<b>Weight/Gallon</b>	<b>7.22 lbs.</b>
<b>Flash Point (P.M.C.C.)</b>	<b>&gt;200° F</b>
<b>Refractive Index</b>	<b>1.4202</b>
<b>Specific Gravity</b>	<b>0.87</b>
<b>% Active</b>	<b>100%</b>
<b>Amine Number*</b>	<b>200</b>
<b>Molecular Weight</b>	<b>900 (Calculated)</b>
<b>Viscosity, 25° C</b>	<b>15 cSt</b>

\*Number of mls. of 0.1 Normal HCl needed to neutralize 10.0 grams of *GP-965*.

<b>APPLICATIONS</b>
<b>Internal Plastic Mold Release</b> <b>Silicone - Organic Copolymer Synthesis</b>

<b>SPECIAL FEATURES</b>
<b>No Alkoxy Functionality</b> <b>Viscosity Stability in Presence of Moisture</b>



## PROCESSING AND SAFETY GUIDELINES

Genesee Polymers' *GP-965 AMINOPROPYL TERMINATED POLYDIMETHYLSILOXANE (900 MW)* is an alkaline material due to its amine reactive groups. Care should be exercised in handling *GP-965* to prevent contact with skin or eyes. Wear safety glasses with side shields and rubber gloves when handling. Consult Safety Data Sheet for additional details.

## PACKAGING/HANDLING/STORAGE

*GP-965 AMINOPROPYL TERMINATED POLYDIMETHYLSILOXANE (900 MW)* is supplied in 5-gallon (35 lbs.) pails, 55-gallon (397 lbs.) drums and 330-gallon (2380 lbs.) totes. Moisture Sensitive. Keep container tightly sealed. Store below 100° F.



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

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