



## Product Information

### GP-61 AMINE FUNCTIONAL SILICONE WAX

GeneSee Polymers' *GP-61* is a 100% active *AMINE FUNCTIONAL SILICONE WAX*. This novel silicone wax copolymer is readily soluble, after melting in mineral spirits, to provide a solvent-based release agent. *GP-61* is recommended for evaluation as a lubricant, water repellent, antiblocking agent and internal processing aid for thermoplastics.

Since *GP-61* contains no dimethyl silicone, it will not cause orange peel, fish eyes or similar effects associated with conventional silicones. Another outstanding feature of this product is the amine functionality that provides temporary rust protection and good bonding to mold substrates. *GP-61* may be easily removed by steam cleaning or solvent wash.

TYPICAL PROPERTIES	
Appearance	White Solid
% Active	100%
Specific Gravity	0.88
Weight/Gallon	7.4 lbs
Melting Point	39° C

**INNOVATIVE POLYMER TECHNOLOGY**

## APPLICATIONS

<b>Rubber Industry</b>	<b>Release Agent</b> <b>Green Rubber Detackifier</b> <b>Band Ply Lubricant Lubricity Additive</b> <b>Mandrel Lubricant</b>
<b>Plastics Industry</b>	<b>Release Agent</b>
<b>Paper Industry</b>	<b>Antiblocking</b> <b>Paperboard Ice Release</b>
<b>Carbon Paper</b>	<b>Antiblocking</b>
<b>Typewriter Ribbon</b>	<b>Antiblocking</b>
<b>Textile Industry</b>	<b>Release Agent</b> <b>Water Repellent</b> <b>Thread Lubricant</b> <b>Fiber Lubricant</b>
<b>Printing Inks</b>	<b>Water Repellent</b> <b>Antiblocking</b>
<b>Candle Industry</b>	<b>Internal Release Agent</b>
<b>Glass Bottle Molding</b>	<b>Improve Surface Lubricity, Reduce Scratching</b> <b>During Filling</b>
<b>Aluminum Production Grinding</b>	<b>Lubricate Sliding Surfaces During Extruding,</b> <b>Deep Drawing and Cutting or Grinding</b>
<b>Machine Shop</b>	<b>Lubricate Cutting Tools, Taps, Drills, Etc.</b> <b>Impart Rust Protection by Formation of</b> <b>Wax-like Film</b>



## SPECIAL FEATURES

**Acts as a Rust Protective Coating**

**Unique Silicone Wax Polymer Provides Excellent Metal on Metal Lubrication**

**Acts as a Rubber and Plastic Mold Release Agent and Lubricant**

**Acts as an Antiblocking Coating when Applied to Uncured Rubber Products**

## PROCESSING AND SAFETY GUIDELINES

*GP-61 AMINE FUNCTIONAL SILICONE WAX* may be converted to a solvent-based product by first melting the wax and with stirring, adding to a solution of mineral spirits. A stable 10% active product can be made this way.

*GP-61* may also be blended with other Genesee Polymers' Silicone Fluids for use as internal processing aids in the rubber manufacturing industry.

For safety requirements, refer to Safety Data Sheet.

## PACKAGING/HANDLING/STORAGE

*GP-61 AMINE FUNCTIONAL SILICONE WAX* is supplied in 5-gallon (35 lbs.) pails and 55-gallon (400 lbs.) drums. No special storage is required.



**GENESEE POLYMERS CORPORATION**  
**SILICONE WAXES**

<b>PROPERTIES</b>			
	<i>GP-58</i>	<i>GP-61</i>	<i>GP-77</i>
<b>Functionality</b>	<b>Copolymer</b>	<b>Amino</b>	<b>Mercapto</b>
<b>Paintability</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>
<b>Molecular Weight (approximately)</b>	<b>12,000</b>	<b>12,000</b>	<b>12,000</b>
<b>Melting Point</b>	<b>35 - 50° C</b>	<b>35 - 50° C</b>	<b>35 - 50° C</b>
<b>Flash Point</b>	<b>&gt;300° F</b>	<b>&gt;300° F</b>	<b>&gt;300° F</b>
<b>Free Silicone</b>	<b>No</b>	<b>No</b>	<b>No</b>
<b>Appearance</b>	<b>White Solid</b>	<b>White Solid</b>	<b>White Solid</b>

<b>APPLICATIONS</b>			
	<i>GP-58</i>	<i>GP-61</i>	<i>GP-77</i>
<b>Rust Inhibitor</b>		<b>X</b>	<b>X</b>
<b>Release Agent</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>Internal Processing Aid (Rubber)</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>Internal Processing (Thermoplastic)</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>Textile Lubricant</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>Metalworking Lubricant</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>Polish and Wax Formulation Ingredient</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>Water Repellent</b>	<b>X</b>	<b>X</b>	<b>X</b>
<b>Anti-Blocking Additive</b>	<b>X</b>	<b>X</b>	<b>X</b>



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

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