



Product Information

GP-58 SILICONE WAX

Genesee Polymers' *GP-58* is a 100% active organo silicone wax copolymer. This unique product is recommended for use as a lubricant, mold release agent and internal lubricant for plastics.

When combined with aliphatic solvents, such as mineral spirits, *GP-58* forms a dry, colorless film on substrates. This film is stable and will not break down in the presence of water.

The lack of any dimethyl silicone removes the problems of orange peel, fisheyes, or similar effects normally associated with dimethyl silicone.

TYPICAL PROPERTIES	
Appearance	White Solid
Specific Gravity	0.85
Weight/Gallon	7.1 lbs
Storage Stability	Indefinite
Solubility	Aliphatic Hydrocarbon Solvents
Melting Point	43° C
Viscosity at 70° C	230.2 cP

INNOVATIVE POLYMER TECHNOLOGY

APPLICATIONS

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

SPECIAL FEATURES

Acts as an Antiblocking Coating when Applied to Uncured Rubber Products

Unique Silicone Copolymer Provides Excellent Metal on Metal Lubrication

Acts as a Rust Protective Coating

Acts as a Rubber and Plastic Mold Release Agent Lubricant

PROCESSING AND SAFETY GUIDELINES

***GP-58 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. Note - use caution with flammable or combustible materials.**

***GP-58* 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-58 SILICONE WAX* is supplied in 5-gallon (35 lbs.) pails and 55-gallon (390 lbs.) drums. No special storage is required.**



GENESEE POLYMERS CORPORATION
SILICONE WAXES

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

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



www.gpcsilicones.com

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