

# Product Information



## Renolit Poliplex Series Polymer Fortified Lithium Complex Grease

### Description

**Renolit Poliplex** Series are lithium complex thickened greases that represent the most advance lubricating technology. They are formulated for conditions of extreme pressure and high temperatures but are also ideal for general purpose applications. To increase the adhesiveness and film strength of **Renolit Poliplex** Series, they are manufactured with state of the art polymers. They also incorporate specially selected mineral oils, extreme pressure, anti-wear, rust and corrosion additives that gives them the performance properties to properly lubricate today's modern equipment.

### Application

Heavy industrial applications subject to high heat, loads, shear, and water conditions. Ideal for applications where shock loading is present and the grease must resist "Squeeze Out".

Mining / Construction applications of hitch pins, shackle pins, bushings, king pins on buckets, excavators, shovels, and loaders.

Slack Adjuster for over the road trucks.

Anywhere a high temperature, high performance off-white, tacky grease is desired.

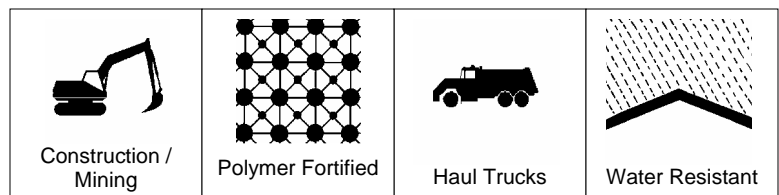
### Specifications / Packaging

Consult local sales representative for available package sizes.

### Advantages / Benefits

- Multi-Purpose / High Temperature / Performance
- Excellent Water Resistance
- Very Shear Stable
- Extreme Pressure / Anti-Wear / Corrosion Protection
- Polymer Fortified for Maximum Film Strength in Shock Loaded Applications
- Clean Off-White Color
- Tacky for Stay Put Performance / Will not Squeeze Out

Material Safety Data Sheets are available. Before handling, read Product Data Sheet and Material Safety Data Sheet for proper handling and health hazard information.



Product information furnished is based on data obtained by our own research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data, or the results to be obtained from the use thereof. Seller shall not be liable for any loss or damage or liability resulting from the use of the product in the buyer's manufacturing processes or in combination with other substances.

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### TYPICAL INSPECTION DATA

PROPERTY	VALUE		UNITS	METHOD
Product Name	Renolit Poliplex 1	Renolit Poliplex 2		
Product Code	651116000	651117000		
NLGI Grade	1	2		
Thickener	Lithium Complex	Lithium Complex		
Texture	Tacky	Tacky		
Color	Off-White	Off-White		
Penetration, Worked	323	275	0.1 mm	ASTM D 217
Work Stability, 10K	+9	+10	% Change	ASTM D 217
Dropping Point	500+ (260)	500+ (260)	°F (°C)	ASTM D 2265
Oxidation, 100hrs	7	7	psi Drop	ASTM D 942
Water Washout, @175°F	5	3	%	ASTM D 1264
Rust Test Rating	1	1	Pass / Fail	ASTM D 1743
Roll Stability	+9	+10	%	ASTM D 1831
4-Ball Wear	0.38	0.38	mm	ASTM D 2266
4-Ball Weld	400	400	kgf	ASTM D 2596
4-Ball LWI	45	45	kgf	ASTM D 2596
Timken OK Load	60	60	lbs	ASTM D 2509
Base Oil Characteristics				
Viscosity @ 210°F	66	65	SUS	Calculated
Viscosity @ 100°F	658	667	SUS	Calculated
Viscosity @ 100°C	11.99	11.6	cSt	ASTM D 445
Viscosity @ 40°C	142	144	cSt	ASTM D 445
Viscosity Index	64	53		ASTM D 2270
Flash Point	436 (224)	436 (224)	°F (°C)	ASTM D 92
Pour Point	-10 (-23)	-10 (-23)	°F (°C)	ASTM D 97

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