

RENOLIT POLIPLEX SERIES

Polymer fortified lithium complex grease.

Description

The RENOLIT POLIPLEX Series are lithium complex thickened greases that represent the most advanced lubricating technology. They are formulated for conditions of extreme pressure and temperature 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 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 Adjusters for over the road trucks.

Used where high temperature, high performance and high tack grease is required.

- Sleeve and anti-friction bearings
- Shackles and springs
- Water pumps
- Bucket- and king-pins
- Fifth wheels
- Pillow blocks
- Heavy industrial equipment
- Commercial equipment
- Cranes Trucks Dredges Buses
- Bulldozers Combines Tractors (farm and industrial)
- Scrapers Farm implements
- Construction equipment Pulverisers
- Graders Drilling machines Front end loaders

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 colour
- Tacky for stay-put performance / Will not 'squeeze' out

CHARACTERISTICS

PROPERTY	VALUE		UNITS	METHOD
	Renolit Poliplex 1	Renolit Poliplex 2		
Product Name	Renolit Poliplex 1	Renolit Poliplex 2		
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 @ 100°C	15.2	15.2	cSt	ASTM D 445
Viscosity @ 40°C	196	196	cSt	ASTM D 445
Viscosity Index	64	71		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

Product Code: 1812
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