

Product Data Sheet

PL-10 Power-Lift Grease™

Lithium Complex, Extreme-Pressure Lubricant

General Information

- Extreme-pressure universal semi-solid lubricant
- Temperature operating range: 0°F to 400°F (- 17°C to 204°C)
- Water repellent
- Lithium complex
- NLGI No. 2
(other grades available on request)
- Contains MPC's MT-10 Metal Treatment™ technology

PL-10 Power-Lift Grease™ is state-of-the-art and uniquely designed to meet the highest requirements for maximum film strength, operating temperatures, stability, and lubrication life – all of which are essential to the operation of today's industrial and commercial equipment.

Power-Lift is unique in its lithium-complex base. It exceeds other lithium-complex greases due to the addition of extreme-pressure and antifriction lubricants. Through its advanced formula that utilizes MPC's MT-10 Metal Treatment™ technology, Power-Lift is a breakthrough in semi-solid lubrication, providing increased boundary film lubrication and extended equipment life.

Key Features & Benefits

- Provides extreme-pressure protection under all lubrication conditions
- Exceptional adhesion & cohesion characteristics
- Superior friction-reduction properties – protects against friction-related heat & wear

- Excellent resistance to water washout & spray off
- Reduces equipment maintenance, downtime & related expenses
- Reduces operating temperatures
- Extends equipment life

Typical Applications

- Bearings
- Universal joints
- CV joints
- Disc brake wheel bearings
- Chassis fittings
- Axles
- Conveyors
- Pumps
- Firearms
- Fishing tackle
- Sports equipment
- Any other industrial, automotive or commercial area of lubrication requiring an extreme-pressure, antiwear, semi-solid lubricant.

Availability

- 1-oz. (28 g), 1-lb. (454 g) & 5-lb. (2.3 kg) tubs
- 14-oz. (397 g) cartridge
- 35-lb. (15.9 kg), 120-lb. (54.4 kg) & 400-lb. (181.4 kg) drums
- Tote bins & other bulk containers upon request

Typical Properties

NLGI Grade	2
Cone Penetration @ 77°F, worked 60 strokes	265-295
100,000 strokes	+ 10%
Appearance	Cream color, smooth/tacky semi-solid
Odor	Bland
Thickener Type	Lithium complex
Thickener Content	8 – 12%
Base Oil Viscosity ... 775 – 825 SUS @ 40°C 75 – 85 SUS @ 100°C	
Viscosity Index	95
Corrosion Test	Pass
Freezing Point.....	NE
Dropping Point	500°F (260°C)
Melting Point.....	500°F (260°C)
Boiling Point	700°F (371°C)
Flash Point	475°F (246°C)
Fire Point.....	580°F (304°C)
Pour Point	0°F (- 17.8°C)
Roll Stability	± 6
Oxidation PSI @ 100 hr., 500 hr.	5, 10
Specific Gravity @ 16°C (61°F)	0.86
Solubility in Water	Negligible
Water Resistant	Yes
Water Washout @ 170°F (77°C)	3 – 8
Timken OK Load, Lbs. Min.....	60
Shear Stability	< 10%
Wheel Bearing, % Loss	0 – 1
Four Ball EP Weld, Load kgf	500
Four Ball EP Test LWI	75
Mobility, g/min 0°C	3
Mobility, g/min 20°C	35

NE = Not Established.

Health & Safety Hazards

WARNING! May cause eye irritation. May cause skin irritation. Injection under the skin by high-pressure equipment may cause serious injury. Most injection damage occurs within the first few hours; initial symptoms may be minimal. Aspiration hazard if swallowed – can enter lungs and cause damage.

WARNING! Slipping hazard if spilled.

Consult Material Safety Data Sheet for additional information.

U.S. DOT Freight Classification

- Identification Number: Not regulated.
- Proper Shipping Name: Lubricating grease.
- Hazard Class: Not applicable.
- Packing Group: Not applicable.



“The Strength in Lubrication”[®]

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