

Mobil

Product Data Sheet

Mobilux EP 0, 1, 2, 3

Lithium Extreme Pressure Greases

Product Description

Mobilux EP greases are lithium hydroxystearate greases containing a lead free extreme pressure additive. They are multipurpose greases formulated to provide extra protection against wear, rusting and water washout.

Benefits

Mobilux EP greases have a long history of proven performance and have demonstrated superior performance versus competitive products in the areas of corrosion protection, low temperature pumpability and high temperature service life. A Timken OK load of 18 kg (minimum) illustrates their load carrying and extreme pressure capability.

- Reduced wear under heavy or shock loading and vibration
- Protection against rust and corrosion
- Resistance to water washout
- Good pumpability in centralized systems
- Extended bearing life in wet environments
- Lead and nitrite free

Applications

Mobilux EP greases are recommended for most types of industrial applications including heavy duty applications where high unit pressures or shock loads are present. They are suitable for rolling element bearings, plain bearings, gears and couplings. Mobilux EP greases provide excellent protection against rust and corrosion and resist water washout which makes them particularly suitable for equipment such as the wet ends of paper machines, underground mining or tunnelling equipment and ore crushing plants where moist or wet conditions are common.

The recommended operating temperature range is from -20°C to 130°C but they may be used at higher temperatures if the lubrication frequency is increased accordingly.

Mobilux EP 0 and **EP 1** are soft greases with NLGI grades 0 and 1 respectively. They provide good low temperature pumpability and are suitable for centralized lubrication systems and other applications where low temperature performance is required.

Mobilux EP 2 is recommended for multipurpose applications in antifriction and plain bearings,

bushings and pins under normal operating conditions.

Mobilux EP 3 is a stiffer NLGI grade 3 grease recommended for applications where maximum protection against penetration of water or solid contaminants is required.

Typical Properties

Mobilux EP		0	1	2	3
Product Code		971553	970176	970717	970893
	Test Method				
NLGI Grade	ASTM D217	0	1	2	3
Soap Type	-	Lithium	Lithium	Lithium	Lithium
Color	Visual	Med. Brown	Med. Brown	Med. Brown	Med. Brown
Structure	Visual	Smooth	Smooth	Smooth	Smooth
Penetration, Worked	ASTM D217	370	325	280	235
Dropping Point, °C	ASTM D2265	180	180	180	180
Viscosity of Oil	ASTM D445				
cSt at 40°C		150	150	150	150
Timken OK Load, Kg	ASTM D2509	18	18	18	18
4-Ball Weld, Kg	ASTM D2596	250	250	250	250
4-Ball Wear, Scar mm	ASTM D2266	0.4	0.4	0.4	0.4
Emcor Distilled Water Washout Test	IP 220 Mod.	0-0	0-0	0-0	0-0

Health & Safety

Based on available toxicological information these products produce no adverse effects on health when properly handled and used. No special precautions are suggested beyond attention to good personal hygiene, including laundering oil-soaked clothing and washing skin contact areas with soap and water. Additional health and safety information on these products, including Mobil Material Safety Data Bulletins, is available on request from your local Mobil Company.