

## TECHNICAL DATA SHEET

### ORIENT LITHIUM GREASE MP 2 & MP 3

**ORIENT LITHIUM GREASE MP** is a high-quality Lithium hydroxy stearate extreme pressure grease. It incorporates a lead-free MP additive and is for use where surfaces are subjected to heavy or shock loading. It also contains oxidation and corrosion inhibitors, which help to ensure long service life of the grease and a high level of protection for ferrous surfaces. Used in all kinds of machinery- including electrical motors, machine tools, textiles, paper making and woodworking machines and construction equipment. Continuous operating temperature range for these greases: -20 to 120°C

#### Features:

ORIENT Lithium MP Greases has a proven performance in general purpose automotive applications and provides the following benefits:

- Wide operating temperature range
- Good resistance to water washout
- Good protection against rust and corrosion
- Good pumpability in centralized systems
- Excellent structural stability
- Lead, chlorine and nitrite free

#### Applications:

ORIENT Lithium MP Greases is recommended as a general-purpose grease for passenger cars, commercial vehicles, agricultural equipment and most other types of mobile equipment operating under moderate conditions. In applications where heavy or shock loading is a factor, extreme pressure greases are preferred. The recommended operating temperature range is -20°C to 120°C.

#### Typical Characteristics:

No	Test Parameters	Method	Specification	
1	NLGI Classification	-	MP 2	MP 3
2	Base Type	-	12-Hydroxy Li-Stearate	
3	Texture	-	Smooth	Smooth
4	Color	Visual	Brown	Brown
5	Un-Worked Penetration @25°C	ASTM D 217	265/295	225/245
6	Worked Penetration@25°C After 60 strokes	ASTM D 217	265/295	225/245
7	Copper Strip Corrosion (3Hrs)	IP 112	Not Black or Gray	
8	Dropping Point °C	ASTM D 566	196	197
9	Water Content, % wt	ASTM D 95	<0.1	<0.1
10	Oil Separation % wt	ASTM D 1742	<3.5	<3.5

The above figures are typical of those obtained with normal production tolerance and do not constitute specifications.

