



## LITHIUM CALCIUM MP GREASE 1,2,3

Lithium Calcium MP is a general-purpose lubricating grease based on Lithium Hydroxystearate soap thickener and high-quality mineral base oil. This grease contains antioxidants, rust, corrosion inhibitors, and anti-wear additives. The product is recommended for the lubrication of rolling element bearings, electric motor bearings, water pumps, and sealed-for-life bearings. NLGI 1 and NLGI 2 are designed for general industrial lubrication which can be used through centralized lubrication systems operating at normal temperatures. Lithium Calcium MP has been fortified with Ca-12 Hydroxy stearate thickener to offer enhanced water resistance and mechanical stability.

### APPLICATION

Lithium Calcium MP is recommended for the lubrication of rolling-element bearings, electric motor bearings water pumps, and sealed-for-life bearings. NLGI 1 and NLGI 2 are designed for general industrial lubrication which can be used through centralized lubrication systems operating at normal temperatures.

### PRODUCT ADVANTAGES

- The operating temperature range is -20°C to 120°C
- Good oxidation and mechanical stability
- Reliable high-temperature performance
- Long storage life
- Good rust and corrosion protection

### TYPICAL PROPERTIES:

| PARAMETERS                          | TEST METHODS | TYPICAL VALUE     |         |         |
|-------------------------------------|--------------|-------------------|---------|---------|
| NLGI Grade                          | -            | 1                 | 2       | 3       |
| Thickener Type                      | -            | Lithium           |         |         |
| Appearance                          | Visual       | Smooth Homogenous |         |         |
| Color                               | Visual       | Yellow to Brown   |         |         |
| Work Penetration @25°C              | ASTM D217    | 310-340           | 265-295 | 220-250 |
| Copper Strip Corrosion 24hrs @100°C | ASTM D4048   | 1b max.           | 1b max. | 1b max. |
| Dropping Point °C, Min              | ASTM D 2265  | 180               | 180     | 180     |
| Water Washout Resistance %Wt @79°C  | ASTM D1264   | max 10            |         |         |
| Emcor Rust Preventive Test          | ASTM D6138   | Pass              |         |         |
| Operating Temperature Range, °C     | INTERNAL     | -20 to 120        |         |         |
| Base Oil Viscosity @40°C (Cst)      | ASTM D445    | 90-110            |         |         |

### HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with grease and grease may cause skin disorders. Avoid contact. Wash immediately with soap and water. For further information on Safety Guidelines please refer to MSDS available on our website [www.rexol.uk](http://www.rexol.uk)

### HEALTH & SAFETY:

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet at [www.rexol.uk](http://www.rexol.uk)

### PROTECT THE ENVIRONMENT:

Comply with local regulations. Do not discharge into drains, soil, or water.

### STORAGE & HANDLING:

We recommend storing all packages under cover. Never leave grease containers improperly covered, uncovered, or open. Keep them tightly sealed between uses. If the containers are stored outside, a heavy canvas tarpaulin, plastic sheet, or lean-to can be used to keep off water or dirt. Ideally, grease should be stored in a cool, dry indoor area that does not exceed 86 degrees °F (30 degrees °C) and remains above 32 degrees °F (°C).