



Technical Data Sheet

CASTROL LMX GREASE

DESCRIPTION:

This is a multi-purpose high performance grease, based on mineral oil and thickened with lithium-complex soap. It is formulated to provide excellent high-temperature lubrication performance. It possesses EP (extreme-pressure) load-carrying properties, and contains additives selected to enhance resistance to oxidation, corrosion and wear.

APPLICATION:

- Castrol LMX is formulated for use in grease-lubricated plain or rolling bearings operating at temperatures from $-30\text{ }^{\circ}\text{C}$ to $150\text{ }^{\circ}\text{C}$ (continuous rating).
- It may also be used for short periods at temperatures of up to $180\text{ }^{\circ}\text{C}$ in bearings designed to operate under such conditions. In such cases, the frequency of re-lubrication should be increased, operators should contact equipment manufacturers for guidance.
- Examples of applications include automotive wheel bearings, all types of general industrial machinery, electric motors and machine tools, as well as applications involving higher temperature such as are found in papermaking machinery and oven fans.
- In addition, its good EP characteristics and low slumpability are advantageous in bearings involving both high loaded applications and vibratory conditions, such as in steel mills, railway axle-boxes and construction equipment.
- High Drop Point and excellent stability at high operating temperatures make this a good alternative to clay-thickened high-temperature greases, the long service-life potential of Castrol LMX at temperatures over $100\text{ }^{\circ}\text{C}$ makes it ideally suited to machines in which poor accessibility makes frequent re-lubrication difficult, whilst the longer permissible lubrication intervals maintenance costs.

FEATURES / BENEFITS:

- Multi-purpose application in both industrial and automotive fields.
- High Drop Point and high operating-temperature capability.
- Long life relative to conventional lithium grease.
- Excellent EP and anti-wear properties.
- Low oil-separation characteristics.
- Excellent corrosion resistance.
- Very good pumpability for this grade of grease, especially at low temperatures.

TYPICAL CHARACTERISTICS:

Castrol LMX Grease	
Product Code	16174
NLGI Classification	2
Thickner	Lithium complex
Texture	Smooth
Colour	Dark Brown
Base Oil Viscosity at 40 °C mm ² /s	250
Drop Point (°C)	271
Worked Penetration 60 strokes at 25 °C	283
Timken OK Load	20.4
Rusting Test	0.0

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