

Product Data

CASTROL LMX Grease

DESCRIPTION

Castrol LMX is a lithium-complex thickened mineral oil based grease of NLGI No.2 consistency having extreme pressure properties and inhibited against oxidation and corrosion.

PERFORMANCE

Lithium complex greases have similar basic properties to conventional lithium soap greases but have the advantages of higher drop point, less oil separation particularly at high temperature and more stable consistency near the drop point of the grease. The drop point of these greases is typically 260 °C. This means that the maximum operating temperature is greatly increased over that of standard lithium soap greases and in many applications is limited only by what the base oil of the grease will stand.

APPLICATIONS

Such performance characteristics mean that lithium complex greases such as Castrol LMX have a longer life at higher temperatures than normal lithium soap greases. The water resistance and low temperature pumpability of lithium complex greases is also better than normal lithium soap greases. For these reasons, lithium complex greases find wide acceptance for virtually all grease applications in industrial and automotive markets.

PRODUCT BENEFITS

Castrol LMX grease offers an impressive number of desirable features which confer clear operational advantages and offer the customer distinct key benefits. The overall result is excellent cost effectiveness.

- Improved working temperature range and thermal stability
- Reduced oil separation and resistance to hardening and pressure
- Increased load-carrying capacity over wider working temperature range
- Reduced wheel-bearing temperatures
- Better water-resistance and adhesion to metal surfaces
- Additional multi-purpose properties enabling easier grade rationalisation.

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TYPICAL DATA

Base	Lithium Complex
NLGI Classification	2
Worked Penetration, 60 Strokes	265
Drop Point, °C	260
Operating Temperature, Min. °C	-30
Max. °C	150
4 Ball Load Test, Weld Point (kg)	350
Timken OK Load Test (kg)	20
Base Oil Viscosity @ 40 °C, cSt	180

HEALTH, SAFETY AND ENVIRONMENT

Health, safety and environmental information is provided for this product in the Material Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used products.

Storage & Handling: All packages should be stored under cover. Where outside storage of drums that would trap rainwater is unavoidable, they should be horizontal to avoid the possible ingress of water and the obliteration of drum markings. And products should not be stored above 60 °C, exposed to hot sun or freezing conditions.

NOTE: This data sheet does not constitute a contract in terms of properties.