



Product Data

LMX Li-Komplexfett

Lithium Complex Grease

Description

Castrol LMX Li-Komplexfett is a high performance grease based on an optimised balance of lithium complex thickener, highly refined mineral base oils and specially selected additives resulting in a product with excellent mechanical and thermal stability across a wide operating temperature range.

Application

Castrol LMX Li-Komplexfett has been designed for use in a wide variety of applications. The excellent stability, load carrying and operating temperature characteristics make it particularly suited for use in the wheel bearings of vehicles operating at high speeds, over long distances or where prolonged heavy braking is likely to give higher than normal hub temperatures.

Advantages

- Reduced oil separation and resistance to hardening under pressure leads to longer operational life of the grease
- Excellent thermal stability and wide operating temperature range make this an excellent grease for wheel bearing applications
- High load carrying capacity minimises bearing wear leading to longer bearing life and reduced servicing
- Good water resistance and adhesion to metal surfaces prevents grease wash-out ensuring extended bearing life

Typical Characteristics

Name	Method	Units	LMX Li-Komplexfett
Thickener Type			Lithium Complex
NLGI Class	DIN 51818	-	2
Appearance	Visual	-	smooth, homogeneous
Colour, Visual	Visual	-	Brown
Worked penetration at 25°C after 60 strokes, dmm	ASTM D 217	-	265 - 295
Dropping Point, Grease	ASTM D2265	°C	270
Base oil viscosity at 40°C	ASTM D7042	mm ² /s	155 - 185
Four Ball Wear test - Weld Load	DIN 51350-4	N	> 2400
Oil Separation (Greases) 168h 40°C	DIN 51817	% w t	< 3

Product Performance Claims

MAN 284 Li-H 2
MB-Approval 265.1
NLGI 2

Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

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09 Apr 2025
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