



## LMX Li-Komplexfett 2

Lithium Complex Grease

### Description

Castrol LMX Li-Komplexfett 2 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.

### Application

Castrol LMX Li-Komplexfett 2 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	Castrol Li-Komplexfett 2
Thickener Type			Lithium Complex
NLGI Classification	ASTM D 217		2
Colour	Visual		Green
Base Oil Viscosity at 40 °C	ASTM D 445	mm <sup>2</sup> /s	200
Base Oil Viscosity at 100 °C	ASTM D 445	mm <sup>2</sup> /s	14
Worked 60 Stroke Penetration	ASTM D217	10ths/mm	265 - 295
SKF Emcor (Salt Water)	ISO 11007		2 - 2
SKF Emcor (Distilled Water)	ISO 11007		0 - 0
Water Washout	ASTM D 1264	% wt.	< 10
4-Ball Weld Load	DIN 51350-5	N	> 2600
Dropping Point	ASTM D 566	°C	> 260
4-Ball Wear Scar diameter	DIN 51350 - 5	mm	0.5
Flow pressure @ -30°C	DIN 51805	mbar	< 1400
Roll Stability	ASTM D 1831	10ths/mm	+ 25

## 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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