Product information
LM 50 Litho HT

PI 33/10/05/2023

Description
Non-liquifying, water-resistant, oxidation and corrosion resistant, high-performance lithium complex soap grease. Guarantees a very high standard of wear protection and a high load-carrying capacity. Certification for grease according to DIN 51502: KP2N-30



Properties
- high capacity
- wide operating temperature range
- highest load-carrying capacity
- optimum stability to aging
- friction and wear reducing
- good corrosion protection
- universal application

Technical data

Brief description	KP2N-30 DIN 51502
Operating temperature range	-30 - +140, short-time to +180
NLGI number	2 DIN 51818
Thickener	lithium complex soap
Worked penetration	265-295 1/10 mm DIN ISO 2137
Dropping point	>260 °C DIN ISO 2176
Color / appearance	blue
Oil separation after 18 hours at 40 °C	0,8 % DIN 51817
Oil separation after 7 days at 40 °C	2,7 % DIN 51817
Flow pressure at -30 °C	<1400 mbar DIN 51805
Emcor corrosion class	0/0 DIN 51802
Copper corosion after 24 hours at 100 °C	1 b DIN 51811
Behavior in the presence of water	1-90 DIN 51807 Teil 1
Four-ball tester material load/weld force	2800/3000 N DIN 51350 Teil 4
Four-ball tester wear/indentation diameter	0,6 mm DIN 51350 Teil 5
Base oil	mineral oil
Viscosity at 40 °C	210,0 mm²/s ASTM D 7042-04

Technical data

Flash point	246 °C DIN ISO 2592
Pour point	-24 °C DIN ISO 3016
Recommended storage temperature	5 - 25 °C

Areas of application
For lubrication of high-load bearing plain and roller bearings such as wheel bearings or greased industrial transmissions.

Application
Before treating, the parts must be clean and free from residues such as lubricants, dirt and moisture. Full performance is only guaranteed when used unmixed.

LIQUI MOLY recommends the following equipment for the use of various container sizes:

400 g cartridge plastic, hand-lever grease gun for cartridges (part no. 5310)

25 kg bucket plastic, pneumatic grease system for 25 kg bucket (part no. 7991)

Available pack sizes

400 g Cartridge plastic	3406 D-GB-F-E-NL
400 g Cartridge plastic	7569 D-RUS-UA
1 kg Can sheet metal	3407 D-GB-F-E-NL
5 kg Bucket plastic	3400 D-GB
25 kg Bucket plastic	3405 D-GB

Our information is based on thorough research and may be considered reliable, although not legally binding.

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