Product information

PI 38/10/22/2026

LM 47 Long-Life Grease + MoS2



Description

High-grade special grease. The MoS2 content provides the selected base grease with outstanding lubricity and high-performance properties that normal grease simply does not have. During operation, a permanently adhering, ultra-thin molybdenum disulfide film forms at the sliding surfaces. This film retains its lubrication properties for a long time even after the grease supply completely fails. Extremely long-lasting lubrication properties, can be delivered by central lubrication systems. Labeling according to DIN 51502 KPF2K-30.

Properties

- friction and wear reducing
- good corrosion protection
- highest load-carrying capacity
- especially resistant to cold and hot water
- universal application
- increases operational reliability
- can be delivered by centralized lubrication systems
- economical
- high resistance to aging
- outstanding lubricating action
- distinctive high-pressure characteristics

Technical data

Brief description	KPF2K-30 DIN 51502
Operating temperature range	-30 - +120, short term to +130 °C
NLGI number	2 DIN 51811
Thickener	lithium soap
Worked penetration	265-295 1/10 mm DIN ISO 2137
Dropping point	> 180 °C DIN ISO 2176
Color / appearance	black
Oil separation after 18 hours at 40 °C	2,8 % DIN 51817
Oil separation after 7 days at 40 °C	8 % DIN 51817
Flow pressure at -30 °C	< 1400 mbar DIN 51805
Emcor corrosion class	1/1 DIN 51802
Copper corosion after 24 hours at 100 °C	1 b DIN 51818
Behavior in the presence of water	0-90 DIN 51807 part 1
Four-ball tester material load/weld force	2800/3200 N DIN 51350 part 4

Technical data

Four-ball tester wear/indentation diameter	0,8 mm DIN 51350 part 5
Base oil	mineral oil
Viscosity at 40 °C	110,0 mm²/s ASTM D 7042-04
Flash point	220 °C DIN ISO 2592
Pour point	-24 °C DIN ISO 3016

Areas of application

For general use under extreme conditions. For assembly, maintenance and repair work on motor vehicles, machine tools, construction machinery and presses. For heavily loaded bearings and joints, spline shafts, threads and guides. Suitable for homokinetic joints.

Application

As usual when using grease. Follow the instructions of the bearing manufacturer.

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

100 g Tube plastic	3510 DE-EN
400 g Cartridge plastic	1842 AR-DE-EL-FR-NL
400 g Cartridge plastic	3520 DE-EN-ES-IT-PT
1 kg Can sheet metal	1843 AR-DE-EL-FR-NL

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Available pack sizes

1 kg Can sheet metal	3530 DE-EN-ES-IT-PT
5 kg Bucket plastic	3540 DE-EN
25 kg Bucket plastic	3550 DE-EN
180 kg Black plate barrel	2582 DE-EN

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

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