

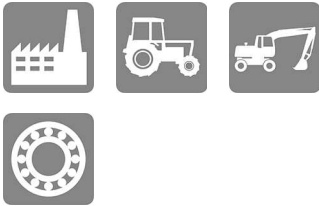
MOL Liton 2MG

lithium-base lubricating grease



MOL Liton 2MG is a multipurpose lubricating grease produced from highly refined mineral oil and a thickener based on very stable lithium 12-hydroxystearate. It contains additives reduce wear, inhibit oxidation and corrosion, and EP additive, to ensure excellent application properties. It also contains molybdenum disulphide and graphite solid additives, which significantly increase the allowed load on lubricated components. It is a moderately soft, smooth, black coloured lubricating grease. The temperature range of application is between -25 °C and +140 °C.

Application



- Equipment subject to high risk of seizure
- Low speed bearings exposed to dynamic loads
- Sliding parts of chassis, bogies
- Releaseable bolt joints
- Individual lubrication systems

Features and benefits

High performance solid additive content

Solid additives increase the load-carrying properties at lubrication points, so the risk of seizure is reduced
Reduces heat of friction, even in mixed lubrication conditions, so increases the service life of lubricating grease
Effective wear protection even under shock loads and low speeds

Excellent wear protection

Reduced wear of contacting surfaces, even under varying operating conditions
Contributes to increasing equipment lifetime

Excellent load-carrying properties

Forms a continuous lubricating film that does not break even under heavy load and low speed conditions

Good thermal and oxidation stability

Stable structure at high temperatures, so no hardening of lubricating grease and minimum oil separation
Cycle time of re-lubrication can be increased significantly

Good mechanical and storage stability

Retains stable structure under load, so no softening of lubricating grease and no running off the lubrication point
Long-term storage is possible without oil separation or lubricating grease hardening

Resistant to vibration

Lubricating grease structure remains stable; grease does not soften or run off the greasing point

Excellent static water resistance

No softening or running off the lubrication point in wet, humid environments
Provides reliable lubrication for equipment operating outdoors

Excellent corrosion protection

Extreme long term protection of steel and non-ferrous metal parts

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Specifications and approvals

NLGI grade: NLGI 2
DIN 51502: KPF2N-25
ISO 6743-9: L-XBDEB 2

Properties

Properties	Typical values
Appearance	black, homogenous
Base oil viscosity at 40 °C [mm ² /s]	200
Dropping point [°C]	200
Penetration after 60 strokes at 25 °C [0,1 mm]	280
Four ball test, weld load [N]	3000
Four ball test 60 min/400 N wear diameter [mm]	0,5
Timken OK load [kg]	20
Oxidation stability at 100 h / 100 °C pressure drop [kPa]	25
Corrosion at 100 °C/ 24 h (steel)	pass
Copper corrosion (100 °C, 24 h) [grade]	1
EMCOR test, distilled water [grade]	0
Dynamic water - resistance at 79 °C [mass %]	3
Static water resistance at 90 °C [grade]	1-90
Oil separation [mass %]	3
Graphite content [mass %]	1
Molybdenum disulphide content [mass %]	1

The characteristics in table are typical values of the product and do not constitute a specification.

Storage and handling instructions

The product does not contain any toxic materials. During storage and handling the product usual health safety regulations for mineral oil products should be observed. It should be stored at covered place, free of direct sunlight and moisture.

In the original container under the recommended storage conditions: 36 months

Recommended storage temperature: -5°C - +45°C

Ordering information

Custom Tariff Number 27101999

SAP code and packaging:

13010403	MOL Liton 2MG 400G	400 g scroll (for order only)
13006420	MOL Liton 2MG 8KG	8 kg steel pail (for order only)
13007032	MOL Liton 2MG 180KG	213 l steel drum (for order only)

Order booking:

Please contact your local distributor or sales partner for ordering details.