

MOL Liton 2M

lithium-base lubricating grease



MOL Liton 2M is a multipurpose lubricating grease produced from highly refined mineral oil and lithium 12-hydroxystearate thickener. It contains additives that reduce wear, inhibit oxidation and corrosion, and EP additive, to ensure excellent application properties. It also contains molybdenum disulphide solid additive, which significantly increases the allowed load on lubricated components. It is a moderately soft, smooth, black coloured lubricating grease. The temperature range of application is between -30 °C and +140 °C.

Application



- Equipment subject to high risk of seizure
- Low speed bearings exposed to dynamic loads
- Sliding parts of chassis, bogies
- Threads, bolts, joints, springs
- 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
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 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
Good thermal and oxidation stability	Stable structure at high temperatures, so no hardening of lubricating grease and minimum oil separation
Resistant to vibration	Lubricating grease structure remains stable; grease does not soften or run off the greasing point
Excellent static water resistance	Provides reliable lubrication for equipment operating outdoors No softening or running off the lubrication point in wet, humid environments
Excellent corrosion protection	Extreme long term protection of steel and non-ferrous metal parts Long-term protection against surface damage, even in the presence of moisture

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Specifications and approvals

NLGI grade: NLGI 2
ISO 6743-9: L-XCDEB 2
DIN 51502: KPF2N-30

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
Penetration change after 10000 strokes at 25 °C [0,1 mm]	10
Four ball test, weld load [N]	3800
Timken OK load [Lb]	45
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
Dynamic water - resistance at 79 °C [mass %]	5
Oil separation (100 °C/24 h) [mass %]	7
Oil separation [mass %]	3
Molybdenum disulphide content [mass %]	3

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:

13301901	MOL Liton 2M 400G	400 g scroll
13301902	MOL Liton 2M 8KG	8 kg steel pail
13300004	MOL Liton 2M 50KG	60 l steel drum
13301900	MOL Liton 2M 180KG	213 l steel drum (for order only)

Order booking:

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