

# 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 <sup>2</sup> /s]	200
Dropping point [°C]	200
Penetration after 60 strokes at 25 °C [0,1 mm]	280
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
Penetration after 10000 strokes at 25 °C [0,1 mm]	10

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:

13006417	MOL Liton 2M 400G	400 g scroll
13006418	MOL Liton 2M 8KG	8 kg steel pail
13009335	MOL Liton 2M 50KG	60 l steel drum
13006415	MOL Liton 2M 180KG	213 l steel drum

#### Order booking:

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