

MOL Liton LTA 3EP

lithium-base lubricating grease

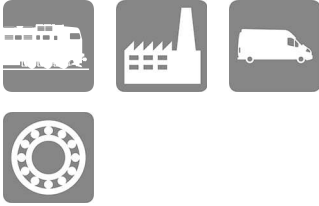


MOL Liton LTA 3EP is a multipurpose lubricating grease produced from highly refined mineral oil and lithium 12-hydroxystearate thickener. It contains additives that reduce wear, inhibit oxidation and corrosion, as well as EP additive, to ensure outstanding performance. Due to its high stability and the structure that withstands vibration, it can be used in railway wheel bearings.

It is a semi-hard, smooth, brown coloured lubricating grease.

The temperature range of application is between -30 °C and +120 °C, although up to +140 °C for a short time..

Application



Heavy-duty rolling bearings
Road and railway wheel bearings
Normal temperature applications
Equipment exposed to vibration
Individual lubrication systems

Features and benefits

Multipurpose lubricating grease

Wide range of applicability enables reduction of the number of lubricating oils
Problems due to mixing of lubricating greases are minimized
Warehousing and maintenance costs are reduced
Enables economical use

Excellent mechanical and storage stability

Retains stable structure under load, so no softening of lubricating grease and no running off the lubrication point
Lubricating grease can be stored for long a period without oil separation, hardening or softening

Resistant to vibration

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

Excellent load-carrying properties

Forms a continuous lubricating film that does not break even under dynamic load conditions
Contributes to increasing equipment lifetime

Exceptional thermal and oxidation stability

No hardening of lubricating grease at high temperatures and minimum oil separation
Cycle time of re-lubrication can be increased significantly

Excellent static water resistance

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

Good corrosion protection

Protection against surface damage

Excellent yellow metal compatibility

Prevents premature deterioration of non-ferrous metal parts

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Specifications and approvals

NLGI grade: NLGI 3
DIN 51502: KP3K-30
DIN 51825: KP3K-30
ISO 6743-9: L-XCCEB 3

Properties

Properties	Typical values
Appearance	brown, homogenous
Base oil viscosity at 40 °C [mm ² /s]	100
Dropping point [°C]	200
Penetration after 60 strokes at 25 °C [0,1 mm]	245
Penetration change after 10000 strokes at 25 °C [0,1 mm]	6
Four ball test, weld load [N]	3000
Timken OK load [Lb]	40
Oxidation stability at 100 h / 100 °C pressure drop [kPa]	30
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 %]	2
Oil separation [mass %]	2,5
Penetration after 100000 strokes at 25 °C [0,1 mm]	30

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:

13006429	MOL Liton LTA 3EP 250G	250g plastic jar
13006430	MOL Liton LTA 3EP 400G	400 g scroll
13006431	MOL Liton LTA 3EP 8KG	8 kg steel pail
13005347	MOL Liton LTA 3EP 50KG	60 l steel drum
13005345	MOL Liton LTA 3EP 180KG	213 l steel drum

Order booking:

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