

MOL Liton 00EPT

lithium-base lubricating grease



MOL Liton 00EPT is a multipurpose lubricating grease produced from highly refined high viscosity mineral oil and lithium 12-hydroxistearate thickener. It contains additives that reduce wear, inhibit oxidation and corrosion, as well as EP additive, to ensure its outstanding performance. Its applicability value is enhanced by adhesion increasing additive. It is a very soft, smooth, brown coloured lubricating grease. The temperature range of application is between -30 °C and +120 °C.

Application



Heavy-duty enclosed gears where semi-solid grease is specified
Power transmission equipment
Heavy-duty sliding bearings
Central supply lubrication systems

Features and benefits

Excellent load-carrying properties	Forms a continuous lubricating film that does not break even under dynamic load conditions Contributes to increasing equipment lifetime
Improved tackiness	Forms a continuous lubricating film which adheres strongly to the metal surface Reduced losses due to leakage and reduced environmental pollution Prevents metallic contact at low speeds Cycle time of re-lubrication can be increased significantly
Good flow properties	Reliable application under cold weather conditions
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
Excellent wear protection	Reduced wear of contacting surfaces, even under varying operating conditions
Excellent static water resistance	Provides reliable lubrication for equipment operating outdoors No softening or running off the lubrication point in wet, humid environments
High base oil viscosity	Contributes to formation of a stable, continuous lubricating film, with increased load-carrying ability
Low coefficient of friction	Lower operating temperatures, giving increased lubricant lifetimes Good efficiency and low energy consumption
Excellent corrosion protection	Long-term protection against surface damage, even in the presence of moisture
Excellent yellow metal compatibility	Prevents premature deterioration of non-ferrous metal parts

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Specifications and approvals

NLGI grade: NLGI 00
ISO 6743-9: L-XCCEB 00
DIN 51502: GP00K-30

Properties

Properties	Typical values
Appearance	brown, homogenous
Base oil viscosity at 40 °C [mm ² /s]	400
Dropping point [°C]	180
Penetration after 60 strokes at 25 °C [0,1 mm]	415
Four ball test, weld load [N]	3200
Four ball test 60 min/400 N wear diameter [mm]	0,6
Four ball test 60 sec/1000 N wear diameter [mm]	0,85
Four ball test 60 sec/1900 N wear diameter [mm]	2
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

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:

13100581 MOL Liton 00EPT 8KG

8 kg steel pail (for order only)

Order booking:

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