

MOL Grafit LT 2EP

lithium-base lubricating grease



MOL Grafit LT 2EP multipurpose lubricating grease produced from highly refined mineral oil and lithium 12-hydroxystearate based thickener. It contains additives that reduce wear, inhibit oxidation and corrosion, as well as EP additive and fine particle graphite to ensure its outstanding performance. Its solid additive content significantly increases the load carrying capacity of lubricated components, as well as ensuring a moderate electrical conductivity to the product. It is a moderately soft, smooth, black coloured lubricating grease. The temperature range of application is between -20 °C and +130 °C.

Application



Equipment subject to high risk of seizure
Low speed bearings exposed to dynamic loads
Sliding parts of chassis, bogies
Screw threads, small gear wheels, 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
Excellent static water resistance	No softening or running off the lubrication point in wet, humid environments Provides reliable lubrication for equipment operating outdoors
Good thermal and oxidation stability	Resists the ageing process, even at high operating temperature and pressure conditions
Partial electrical conductivity	Conducts electricity due to its graphite content
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 2
DIN 51502: KPF2K-20
ISO 6743-9: L-XBCEB 2

Properties

Properties	Typical values
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]	15
Four ball test, weld load [N]	3000
Four ball test 60 min/400 N wear diameter [mm]	0,7
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
Static water resistance at 90 °C [grade]	1-90
Graphite content [mass %]	2

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:

13009209 MOL Grafit LT 2EP 400G

400 g scroll

13009203 MOL Grafit LT 2EP 5KG

5 kg plastic pail

Order booking:

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