

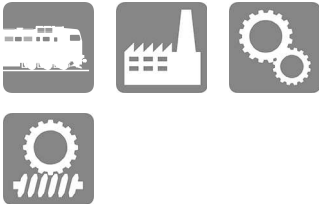
MOL Alugear LKP 000

gear lubricating grease



MOL Alugear LKP 000 is a high performance lubricating grease produced from highly refined mineral oil and an aluminium complex thickener. It contains additives that reduce wear, inhibit oxidation and corrosion, as well as EP additives and graphite in order to ensure outstanding performance. Its solid additive content allows higher loads in lubricated contacts. Its special field of application is railway drive gears exposed to high loads. It is a semi-solid, black coloured lubricating grease. The temperature range of application is between -25 °C and +140°C.

Application



Equipment subject to high risk of seizure

Heavy-duty enclosed gears where semi-solid grease is specified

Enclosed gear drives of locomotives

Clutches

Sprocket chains

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

Effective wear protection even under shock loads and low speeds

Reduces heat of friction, even in mixed lubrication conditions, so increases the service life of lubricating grease

Excellent load-carrying properties

Forms a continuous lubricating film that does not break even under heavy load and low speed conditions

Good tackiness, giving improved dynamic water resistance

Forms a continuous lubricating film which adheres strongly to the metal surface, even under loads in the presence of water

Reduced losses due to leakage and reduced environmental pollution

Economical use

Exceptional thermal and oxidation stability

No hardening of lubricating grease at high temperatures and minimum oil separation

Longer lubricant lifetime, so reduced operational costs

Increased operational safety, availability and lifetime of equipment

Excellent wear protection

Provides protection against wear processes caused by fatigue and dynamic loads

Wear of contacting surfaces is reduced to minimum

Excellent flow properties

Gear teeth do not form slots when dipped lubrication is used, ensuring even lubrication of tooth surfaces

Good corrosion protection

Long-term protection of steel and non-ferrous metal parts even in the presence of moisture

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Specifications and approvals

NLGI grade: NLGI 000
DIN 51502: GPF000N-25
ISO 6743-9: L-XBDEB 000

Properties

Properties	Typical values
Appearance	black, homogenous
Base oil viscosity at 40 °C [mm ² /s]	240
Four ball test, weld load [N]	3600
Four ball test 60 min/400 N wear diameter [mm]	0,6
Four ball test 60 sec/1000 N wear diameter [mm]	0,7
Four ball test 60 sec/1900 N wear diameter [mm]	1,95
Corrosion at 100 °C/ 24 h (steel)	pass
Copper corrosion (100 °C, 24 h) [grade]	1
Graphite content [mass %]	2,5
Penetration after 0 strokes at 25 °C [0,1 mm]	465

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: 24 months

Recommended storage temperature: -5°C - +45°C

Ordering information

Custom Tariff Number 27101999

SAP code and packaging:

13005328 MOL Alugear LKP 000 8KG

8 kg steel pail

13005326 MOL Alugear LKP 000 180KG

213 l steel drum

Order booking:

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