

MOL Alugear 0EPG

gear lubricating grease



MOL Alugear 0EPG is a high performance lubricating grease produced from high viscosity highly refined base oil components and an aluminium complex thickener, that enable beneficial evaporation and oxidation properties even at high temperatures. It contains additives that reduce wear, inhibit oxidation and corrosion, as well as EP additives and special finely divided graphite in order to ensure outstanding performance. Its solid additives content makes it suitable for spray lubrication processes, while also allowing higher loads in lubricated contacts. The increased adherence to surfaces is ensured by a special polymer. It is a very soft, black coloured lubricating grease. Applicable at temperatures between -20 °C and +140°C, although with regular regreasing, up to +180 °C.

Application



Heavy-duty open and enclosed gear drives operating at high temperature

Equipment subject to high risk of seizure

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 pumpability and sprayability

Easily sprayable, does not block narrow nozzle tips
Applicable in central lubricating systems safely, even at varying temperatures

Excellent wear protection

Provides protection against wear processes caused by fatigue and dynamic loads
Wear of contacting surfaces is reduced to minimum
Long equipment lifetime

Excellent load-carrying properties

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

Excellent tackiness

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

High base oil viscosity

Contributes to formation of a stable, continuous lubricating film, with increased load-carrying ability

Exceptional thermal and oxidation stability

No hardening of lubricating grease at high temperatures and minimum oil separation
Increased operational safety, availability and lifetime of equipment

Excellent corrosion protection

Extreme 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 0
DIN 51502: OGPFO-N-20
ISO 6743-9: L-XBDEB 0

Properties

Properties	Typical values
Appearance	black, homogenous
Base oil viscosity at 40 °C [mm ² /s]	500
Dropping point [°C]	200
Penetration after 60 strokes at 25 °C [0,1 mm]	365
Four ball test, weld load [N]	4800
Four-ball test, weld load [kg]	500
Corrosion at 100 °C/ 24 h (steel)	pass
Copper corrosion (100 °C, 24 h) [grade]	1
Flow pressure at -20 °C [mbar]	900
Graphite content [mass %]	11

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:

13005317 MOL Alugear 0EPG 8KG

8 kg steel pail (for order only)

13005316 MOL Alugear 0EPG 180KG

213 l steel drum (for order only)

Order booking:

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