

MOL Aluroll 2EPG

metallurgical lubricating grease



A MOL Aluroll 2EPG is a high performance lubricating grease produced from high viscosity highly refined base oil components and an aluminium complex thickener. It has 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 graphite in order to ensure outstanding performance. With its adhesion and water resistance, that have been improved with polymers, it is particularly suitable for lubricating applications exposed to high loads in the presence of water, e.g. equipment of steel mills. It is a moderately soft, smooth, black coloured lubricating grease. The temperature range of application is between -20 °C and +160 °C.

Application



- Equipment subject to high risk of seizure
- Low speed bearings exposed to dynamic loads
- Equipment exposed to heavy water exposure
- Equipment exposed to vibration
- 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 load-carrying properties	Forms a continuous lubricating film that does not break even under heavy load and low speed conditions
Improved tackiness	Forms a stable and uniform lubricating film, which is not squeezed from between contacting surfaces even under heavy loads Prevents metallic contact at low speeds
Excellent dynamic water resistance	No significant change in consistency, even on exposure to a large volume of water, as the grease does not flow out from between the surfaces
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
Exceptional thermal and oxidation stability	No hardening of lubricating grease at high temperatures and minimum oil separation
High base oil viscosity	Contributes to formation of a stable, continuous lubricating film, with increased load-carrying ability
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 2
DIN 51502: KPF2P-20
ISO 6743-9: L-XBEHB 2

Properties

Properties	Typical values
Appearance	black, homogenous
Base oil viscosity at 40 °C [mm ² /s]	400
Dropping point [°C]	240
Penetration after 60 strokes at 25 °C [0,1 mm]	280
Penetration change after 10000 strokes at 25 °C [0,1 mm]	10
Four ball test, weld load [N]	2600
Four ball test 60 min/400 N wear diameter [mm]	0,6
Timken OK load [Lb]	45
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
Dynamic water - resistance at 79 °C [mass %]	3
Oil separation [mass %]	1,3
Flow pressure at -20 °C [mbar]	1300
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: 24 months

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

Ordering information

Custom Tariff Number 27101999

SAP code and packaging:

13009798 MOL Aluroll 2EPG 8KG
13006034 MOL Aluroll 2EPG 180KG

8 kg steel pail (for order only)
213 l steel drum (for order only)

Order booking:

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