

# MOL Aluroll 2EP

## metallurgical lubricating grease



MOL Aluroll 2EP 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 in order to ensure outstanding performance. Its water resistance, that has been improved significantly with polymers, allows its use for lubricated applications exposed to high loads in the presence of water. It is a moderately soft, smooth, brown coloured lubricating grease. The temperature range of application is between -20 °C and +160 °C.

### Application



Equipment exposed to dynamic water loads  
Heavy-duty sliding and rolling bearings  
Hydraulic cylinder bearings of roll stands  
Equipment exposed to vibration  
Bearings of rollers in the paper industry  
Individual lubrication systems

### Features and benefits

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, so re-lubrication cycle time is increased  
Economical use

Resistant to vibration

Lubricating grease structure remains stable; grease does not soften or run off the greasing point

Excellent load-carrying properties

Forms a continuous lubricating film that does not break even under dynamic load conditions  
Contributes to increasing equipment lifetime

Exceptional thermal and oxidation stability

No hardening of lubricating grease at high temperatures and minimum oil separation  
Cycle time of re-lubrication can be increased significantly

Good mechanical and storage stability

Retains stable structure under load, so no softening of lubricating grease and no running off the lubrication point

High base oil viscosity

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

Low resistance to chemicals

No softening and running off the lubrication point in slightly alkaline or acidic environment

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: KP2P-20  
ISO 6743-9: L-XBEHB 2

### Properties

Properties	Typical values
Appearance	brown, homogenous
Base oil viscosity at 40 °C [mm <sup>2</sup> /s]	400
Dropping point [°C]	240
Penetration after 60 strokes at 25 °C [0,1 mm]	280
Four ball test, weld load [N]	2200
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]	25
Copper corrosion (100 °C, 24 h) [grade]	1
EMCOR test, distilled water [grade]	0
Dynamic water - resistance at 79 °C [mass %]	3,0
Flow pressure at -20 °C [mbar]	1400
Water spray off [mass %]	20

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:

13006033 MOL Aluroll 2EP 8KG  
13005360 MOL Aluroll 2EP 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.