

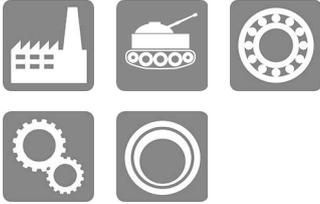
# MOL Alubia AK 2EP

## aluminium complex lubricating grease



MOL Alubia AK 2EP 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 in order to ensure outstanding performance. Its water resistance, that has been improved significantly with polymers, allows its use in lubricated locations exposed to high loads in the presence of water. It is moderately soft, smooth, brown coloured lubricating grease. The temperature range of application is between -25 °C and +140 °C, and in central lubricating systems up to +160 °C.

### Application



Equipment exposed to dynamic water loads  
Heavy-duty sliding and rolling bearings  
Heavy military vehicles  
Low- and medium-duty enclosed gear drives  
Individual and central supply lubrication systems

### Features and benefits

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 load-carrying properties	Forms a continuous lubricating film that does not break even under dynamic load conditions
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 Long-term storage is possible without oil separation or lubricating grease hardening
Excellent pumpability	Applicable in central lubricating systems safely, even at varying temperatures
Excellent wear protection	Reduced wear of contacting surfaces, even under varying operating conditions
Improved cold flow properties	Reliable operation even at low temperatures
Low resistance to chemicals	No softening and running off the lubrication point in slightly alkaline or acidic environment
Excellent corrosion protection	Effective protection of steel and non-ferrous metal parts even in the presence of water

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### Specifications and approvals

NLGI grade: NLGI 2  
ISO 6743-9: L-XBDHB 2  
DIN 51502: KP2N-25

### Properties

Properties	Typical values
Appearance	brown, homogenous
Base oil viscosity at 40 °C [mm <sup>2</sup> /s]	200
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
Four ball test 60 sec/1000 N wear diameter [mm]	1,0
Four ball test 60 sec/1900 N wear diameter [mm]	2,0
Timken OK load [Lb]	40
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 %]	4
Static water resistance at 90 °C [grade]	1-90
Oil separation (100 °C/24 h) [mass %]	5

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:

13006024 MOL Alubia AK 2EP 8KG

8 kg steel pail

13006023 MOL Alubia AK 2EP 180KG

213 l steel drum

#### Order booking:

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