

# MOL Alubia AK 2M

## aluminium complex lubricating grease



MOL Alubia AK 2M is a lubricating grease produced from highly refined mineral oil and an aluminium complex thickener. It contains molybdenum disulphide and graphite as solid additives, which significantly increase the allowed load on the lubricated surfaces. It is a moderately soft, smooth, black coloured lubricating grease. The temperature range of application is between -25 °C and +140 °C.

### Application



Equipment subject to high risk of seizure  
Equipment exposed to dynamic water loads  
Threads, bolts, joints, springs  
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 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

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 wear protection

Reduced wear of contacting surfaces, even under varying operating conditions  
Contributes to increasing equipment lifetime

Excellent load-carrying properties

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

Low resistance to chemicals

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

Excellent corrosion protection

Long-term protection against surface damage, even in the presence of moisture  
Effectively contributes to potential reduction of maintenance costs

Excellent yellow metal compatibility

Prevents premature deterioration of non-ferrous metal parts

### Specifications and approvals

NLGI grade: NLGI 2  
ISO 6743-9: L-XBDHB 2  
DIN 51502: KF2N-25

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### Properties

Properties	Typical values
Appearance	black, homogenous
Base oil viscosity at 40 °C [mm <sup>2</sup> /s]	100
Dropping point [°C]	240
Penetration after 60 strokes at 25 °C [0,1 mm]	295
Four ball test, weld load [N]	2000
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 %]	5
Static water resistance at 90 °C [grade]	1-90
Oil separation (100 °C/24 h) [mass %]	8

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:

13006028 MOL Alubia AK 2M 8KG

8 kg steel pail (for order only)

#### Order booking:

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