

# MOL Alubia AK 2G

## aluminium complex lubricating grease



MOL Alubia AK 2G is a lubricating grease produced from highly refined mineral oil and an aluminium complex thickener. It contains finely divided graphite powder, a solid additive which improves the load carrying capacity of lubricated components, and which also ensures that it has moderate electrical conductivity. Its stable grease structure ensures the proper protection of lubricated surfaces. It is a medium 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
- In case of electrical conductivity demand
- 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 Effective wear protection even under shock loads and 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
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
Partial electrical conductivity	Conducts electricity due to its graphite content
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

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### Specifications and approvals

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

### 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
Penetration change after 10000 strokes at 25 °C [0,1 mm]	8
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:

13006026	MOL Alubia AK 2G 250G	250g plastic jar
13006027	MOL Alubia AK 2G 8KG	8 kg steel pail
13006025	MOL Alubia AK 2G 180KG	213 l steel drum (for order only)

#### Order booking:

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