

# MOL Alubia AK 2

## aluminium complex lubricating grease



MOL Alubia AK 2 is a lubricating grease produced from highly refined mineral oil and an aluminium complex thickener. It contains antiwear and antioxidant additives for increasing its performance. It is a moderately soft, smooth, yellowish brown coloured lubricating grease. The temperature range of application is between -30 °C and +140 °C.

### Application



High temperature applications  
Medium-duty and speed bearings  
Axles, joints and accessories exposed to water  
Screw threads, small gear wheels, springs  
Individual and central supply lubrication systems

### Features and benefits

|                                       |   |
|---------------------------------------|---|
| Good dynamic water resistance         | Reliable lubrication, even under load in the presence of water, so no running off the lubrication point   |
| Good thermal and oxidation stability  | Stable structure at high temperatures, so no hardening of lubricating grease and minimum oil separation<br>Cycle time of re-lubrication can be increased significantly<br>Operational, maintenance and disposal costs are reduced |
| Excellent pumpability                 | Applicable in central lubricating systems safely, even at varying temperatures  |
| Good mechanical and storage stability | Long-term storage is possible without oil separation or lubricating grease hardening<br>Retains stable structure under load, so no softening of lubricating grease and no running off the lubrication point                       |
| Good corrosion protection             | Long-term protection of steel and non-ferrous metal parts even in the presence of moisture  |
| Improved cold flow properties         | Reliable operation even at low temperatures   |
| Excellent yellow metal compatibility  | Prevents premature deterioration of non-ferrous metal parts   |

### Specifications and approvals

NLGI grade: NLGI 1/2  
DIN 51502: K1/2N-30  
ISO 6743-9: L-XCCHA 1/2

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### Properties

| Properties  | Typical values    |
|---|-------------------|
| Appearance  | brown, homogenous |
| Base oil viscosity at 40 °C [mm <sup>2</sup> /s]          | 100               |
| Dropping point [°C]                                       | 230               |
| Penetration after 60 strokes at 25 °C [0,1 mm]            | 295               |
| Penetration change after 10000 strokes at 25 °C [0,1 mm]  | 8                 |
| Oxidation stability at 100 h / 100 °C pressure drop [kPa] | 35                |
| 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 %]                     | 10                |
| Dynamic water - resistance at 79 °C [mass %]              | 4,5               |

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:

|          |                       |                  |
|----------|-----------------------|------------------|
| 13006019 | MOL Alubia AK 2 250G  | 250g plastic jar |
| 13006021 | MOL Alubia AK 2 8KG   | 8 kg steel pail  |
| 13006020 | MOL Alubia AK 2 50KG  | 60 l steel drum  |
| 13006018 | MOL Alubia AK 2 180KG | 213 l steel drum |

#### Order booking:

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