

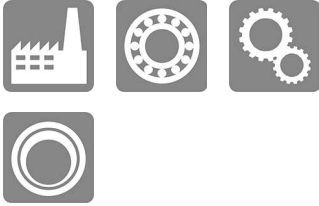
# MOL Alubia 1 HT

## aluminium complex lubricating grease



A MOL Alubia 1 HT is a high performance lubricating grease produced from high viscosity highly refined mineral and synthetic base oil components and an aluminium complex thickener. It has 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. It is a soft, smooth, brown coloured lubricating grease. The temperature range of application is between -30 °C and +160 °C, although with regular regreasing, up to 190°C.

### Application



- Equipment exposed to dynamic water loads
- Heavy-duty sliding and rolling bearings
- High temperature applications
- Equipment exposed to vibration
- Central supply lubrication systems

### Features and benefits

Multipurpose lubricating grease	Wide range of applicability enables reduction of the number of lubricating oils Problems due to mixing of lubricating greases are minimized Warehousing and maintenance costs are reduced
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 Contributes to increasing equipment lifetime
Excellent low-temperature pumpability	Continuous pumpability in central-supply lubrication systems; no hardening and no greasing dropout Easy start-up; low starting and operational torque
Excellent wear protection	Reduced wear of contacting surfaces, even under varying operating conditions
Resistant to vibration	Lubricating grease structure remains stable; grease does not soften or run off the greasing point
Exceptional thermal and oxidation stability	No hardening of lubricating grease at high temperatures and minimum oil separation
Excellent mechanical and storage stability	Retains stable structure under load, so no softening of lubricating grease and no running off the lubrication point Lubricating grease can be stored for long a period without oil separation, hardening or softening
Excellent corrosion protection	Extreme 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 1  
DIN 51502: KP1P-30  
ISO 6743-9: L-XCEHB 1

### Properties

Properties	Typical values
Appearance	brown, homogenous
Base oil viscosity at 40 °C [mm <sup>2</sup> /s]	380
Dropping point [°C]	240
Penetration after 60 strokes at 25 °C [0,1 mm]	325
Penetration change after 10000 strokes at 25 °C [0,1 mm]	15
Four ball test, weld load [N]	2200
Four ball test 60 min/400 N wear diameter [mm]	0,7
Timken OK load [Lb]	40
Corrosion at 100 °C/ 24 h (steel)	pass
Copper corrosion (100 °C, 24 h) [grade]	1
Flow pressure at -20 °C [mbar]	800

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:

13100523 MOL Alubia 1 HT 180KG

213 l steel drum (for order only)

#### Order booking:

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