

Klüberbio M 72-82

Ultimately biodegradable special grease



Benefits for your application

- Ultimately biodegradable, therefore environment-friendly
- Good adhesion and water resistance for long relubrication intervals
- Good pressure-absorption capacity
- Good pumpability through central lubrication systems over a wide temperature range

Description

Klüberbio M 72-82 is a fully synthetic and ultimately biodegradable special grease classified in water pollution category 1. Its biodegradability acc. to OECD 301 F is > 60 % after 28 days.

Klüberbio M 72-82 is very resistant to water, protects against corrosion, shows a good load-carrying capacity and ageing resistance.

Klüberbio M 72-82 can also be used in water sports vehicles, bicycles, lawn mowers and similar outdoor equipment.

Application notes

Klüberbio M 72-82 can be applied by brush, spatula, grease gun and with automatic metering devices. It shows good pumpability based on the positive Vogel/Marawe FTG 2 test results.

Application

Klüberbio M 72-82 should be used wherever there is a risk of the lubricant contaminating the soil or water. It is therefore recommended for applications in water treatment plants, hydroelectric power plants, installations in ports, paper mills, etc., to lubricate rolling and plain bearings, chains, joints, open drives, ropes, racks and gear rims. It is also suitable for the lubrication of wood-working machines, construction machines, agricultural and forestry equipment as well as truck chassis.

Material safety data sheets

Material safety data sheets can be requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	Klüberbio M 72-82
Cartridge 400 g	+
Can 1 kg	+
Bucket 25 kg	+

Product data	Klüberbio M 72-82
Article number	009021
Lower service temperature	-40 °C / -40 °F
Upper service temperature	140 °C / 284 °F
Colour space	beige
Density at 20 °C	approx. 0.94 g/cm ³
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 120 mm ² /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 28 mm ² /s
Shear viscosity at 25 °C, shear rate 300 s ⁻¹ , equipment: rotational viscometer, lower limit value	3 000 mPas
Shear viscosity at 25 °C, shear rate 300 s ⁻¹ , equipment: rotational viscometer, upper limit value	5 000 mPas



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Product data	Klüberbio M 72-82
Speed factor (n x dm)	approx. 300 000 mm/min
Drop point, DIN ISO 2176, IP 396	> 220 °C
NLGI grade, DIN 51818	2
Biodegradability according to OECD 301 F, (within 28 days)	>= 60 %
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months

Klüber Lubrication – your global specialist

Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 80 years.

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The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

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