

Klüberbio M 72-82

Ultimately biodegradable special grease



Your benefits at a glance

- 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

Your requirements - our solution

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.

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.

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.

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	+
Drum 180 kg	+

Characteristics	Klüberbio M 72-82
Article number	009021
Colour space	beige
Service temperature, lower limit	-40 °C
Service temperature, upper limit	140 °C
Biodegradability, OECD 301 F, 28, within days	≥ 60 %

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Characteristics	Klüberbio M 72-82
Density, Klüber method: PN 024, 20°C	approx. 0.94 g/cm ³
NLGI grade, DIN 51818	2
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s ⁻¹ , lower limit	3000 mPas
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s ⁻¹ , upper limit	5000 mPas
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 28 mm ² /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 120 mm ² /s
Dropping point, DIN ISO 2176 / IP 396	> 220 °C
Speed factor (n x dm)	approx. 300000 mm/min
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 90 years.

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