

MICROLUBE GB 0

Universal high-performance lubricant



Benefits for your application

- Universal high-performance lubricant
- High pressure absorption capacity
- Good wear protection
- Good anticorrosion behaviour
- Pumpable through centralized systems

Description

MICROLUBE GB 0 is a special mineral oil based lubricant. It has a high pressure absorption capacity, provides excellent protection against wear and corrosion, and shows a good wetting behaviour and water resistance.

Application notes

MICROLUBE GB 0 is applied by brush, spatula, grease gun or centralized lubrication system. Immersion lubrication of gears is possible up to a peripheral speed of approx. 3 m/s or via forced-feed lubrication.

Application

MICROLUBE GB 0 was especially developed for friction points subject to high loads and mixed friction conditions. It is a universal grease suitable for the lubrication of eccentric presses (e.g. make Müller-Weingarten), heavy-duty spur and bevel gears with steel/steel components (e.g. gear motors that are not oiltight), slideways, guides and sump lubricated rolling bearings.

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 | MICROLUBE GB 0 |
|--------------|----------------|
| Can 1 kg | + |
| Bucket 25 kg | + |
| Drum 180 kg | + |

| Product data | MICROLUBE GB 0 |
|--|---------------------------------|
| Article number | 020232 |
| Texture | homogeneous |
| Colour space | red |
| Appearance | transparent |
| Density at 20 °C | approx. 0.90 g/cm ³ |
| Worked penetration, DIN ISO 2137, 25 °C, lower limit value | 355 x 0.1 mm |
| Worked penetration, DIN ISO 2137, 25 °C, upper limit value | 385 x 0.1 mm |
| Base oil viscosity at 40 °C, calculated value | approx. 590 mm ² /s |
| Base oil viscosity at 100 °C, calculated value | approx. 31.5 mm ² /s |
| Shear viscosity at 25 °C, shear rate 300 s ⁻¹ ; equipment:rotational viscometer | approx. 3 000 mPas |
| Drop point, DIN ISO 2176, IP 396 | > 180 °C |



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| Flow pressure of lubricating greases, DIN 51805, test temperature: -25 °C | < 1 400 mbar |
| FZG scuffing test, based on DIN ISO 14635, A/2,76/50, scuffing load stage | >= 12 |
| 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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