

MICROLUBE® GB 0

Universal high-performance lubricant



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:

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.

In the special FZG test A/2.76/50 this product achieves a scuffing load stage > 12 and a specific change in weight of < 0.2 mg/kWh.

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.

Service temperature range

Approx. – 20 to 90 °C in centralized or forced-feed systems, and approx. 0 to 100 °C in case of immersion lubrication.

The lubricant film is functional to approx. – 25 °C.

The thermal load-carrying capacity of the lubricant film depends on relubrication and is up to approx. 150 °C.

The indicated temperatures are approximate values depending on the lubricant's composition, the intended use and the application method.

Minimum shelf life:

The minimum shelf life is approx. 36 months if the product is stored in the original closed container in a dry place.

Pack sizes:

- 1 kg can
- 25 kg drum
- 180 kg container

Product data:

Colour	reddish brown
Texture	homogeneous, transparent
Density, DIN 51 757, at 20 °C, g/cm ³ , approx.	0.9
Drop point, DIN ISO 2176, °C	> 180
Consistency grade, DIN 51 818, NLGI	0
Worked penetration, DIN ISO 2137, 0.1 mm	355 to 385
Base oil viscosity, DIN 51 561, mm ² /s, at 40 °C, approx.	400
at 100 °C, approx.	25
Apparent viscosity, KL viscosity grade*	L
Flow pressure, DIN 51 805, at – 25 °C, mbar	< 1400

* Klüber viscosity grades: EL = extra light lubricating grease; L = light lubricating grease; M = medium lubricating grease; S = heavy lubricating grease; ES = extra heavy lubricating grease

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- Universal high-performance lubricant
- High pressure absorption capacity
- Good wear protection
- Good anticorrosion behaviour
- Pumpable through centralized systems
- Special FZG test A/2.76/50, scuffing load stage > 12

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The data in this product information is based on our general experience and knowledge at the time of printing 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 tests with the selected product. We recommend contacting our Technical Consulting Staff to discuss your specific application. If required and possible we will be pleased to provide a sample for testing. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this product information at any time without notice.



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Klüber Lubrication München KG
Postfach 70 10 47, D-81310 München
Tel. (0 89) 78 76-0, Telex 5 23 131, Telefax (0 89) 78 76-333