

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

MICROLUBE GB 0

- 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