

UNISILKON® L 50/2

Rolling and plain bearing grease



Description

UNISILKON L 50/2 is a high-temperature grease based on silicone oil and PTFE thickener for rolling and plain bearings.

Application

UNISILKON L 50/2 is used in a wide service temperature range and for low loads (equivalent bearing load C/P >30). It is also suitable for plain bearings with metal/metal contact and as an assembly aid for rubber components.

Due to its good resistance to aggressive media and the wide service temperature range UNISILKON L 50/2 is used in many industries such as the woodworking, textile and paper industry.

UNISILKON L 50/2 is resistant to cold and hot water, hot water steam up to approx. 130°C. It is not resistant to most organic solvents, strong acids and alkaline solutions.

Application notes

UNISILKON L 50/2 can be applied by spatula, brush or grease gun. We recommend checking compatibility with the material in contact, especially prior to series application. To ensure good adhesion of the lubricant the friction points should be cleaned with white spirit 180/210 before applying the lubricant. Please also refer to our safety data sheet.

Minimum shelf life

The minimum shelf life is approx. 36 months if the product is stored in its

unopened original container in a dry, frost-free place.

Pack sizes

500 g PE cartridge
750 g can
30 kg bucket

UNISILKON L 50/2

- High-temperature grease
- Wide service-temperature range
- Good resistance to aqueous solutions

Product data

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|---|---------------------------|
| Base oil | silicone oil |
| Thickener | PTFE |
| Service temperature range* [°C] | -50 to 200 |
| Color | whitish |
| Texture | homogeneous, short-fibred |
| Density at 20 °C, [g/cm ³] | 1.25 |
| Consistency class, DIN 51818 [NLGI] | 2 |
| Base oil viscosity, DIN 51562 pt. 01, at 25 °C, [mm ² /s], approx. | 200 |
| Copper corrosion, DIN 51811, 24h/150 °C, corrosion degree | 1-150 |
| Corrosion protection, DIN 51802 (EMCOR test), 1 week, distilled water, corrosion degree | ≤ 1 |
| Flow pressure, DIN 51805, at -50 °C [mbar], approx. | ≤ 1400 |
| Drop point, DIN ISO 2176, [°C] | > 250 |
| Speed factor** (n x d _m) [mm/min], approx. | 200 000 |
| Water resistance, DIN 51807 pt01, 3h/90 °C, rating | ≤ 1-90 |

* Service temperatures are guide values which depend on the lubricant's composition, the intended use and the application method. Lubricants change their consistency, apparent dynamic viscosity or viscosity depending on the mechanical loads, time, pressure and temperature. These changes in product characteristics may affect the function of a component.

** Speed factors are guide values which depend on the type and size of the rolling bearing type and the local operating conditions, which is why they have to be confirmed in tests carried out by the user in each individual case.

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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