

UNISILKON L 50_2

High-temperature grease for a wide service temperature range



Your benefits at a glance

- Made of special raw materials to ensure long-term and for-life lubrication at high temperatures
- Wear reduction for increased component availability due to its good pressure absorption capacity
- Versatile use due to good compatibility with aqueous solutions

Your requirements – our solution

Manufacturers and operators in the wood, textile or paper industry have to lubricate rolling bearings subject to high temperatures.

We designed UNISILKON L 50/2 to meet these requirements.

UNISILKON L 50/2 is a high-temperature grease for rolling and plain bearings based on silicone oil and PTFE solid lubricants suitable for a wide service temperature range.

The long-term grease UNISILKON L 50/2 has a good wetting ability on metal surfaces and offers good wear protection, resistance to ambient media and thermal stability. You can extend relubrication intervals and reduce cleaning and maintenance costs, so UNISILKON L 50/2 can reduce your operating costs.

Application

UNISILKON L 50/2 is a long-term lubricating grease for rolling bearings subject to high thermal stress. It has proven effective in applications in the wood, textile and paper industries.

UNISILKON L 50/2 can also be used for plain bearings in metal/plastic material combinations and as assembly aid for rubber parts like seals.

UNISILKON L 50/2 is resistant to hot and cold water and water vapour. It is not resistant to most organic solvents, strong acids and alkaline solutions.

Application notes

UNISILKON L 50/2 is neutral towards most metals, thermoplastics and elastomers. Owing to the many different elastomer and plastic compositions their compatibility should be checked prior to series applications. UNISILKON L 50/2 can be applied by means of spatula, brush, usual metering devices or the tampon printing method. Please observe the material safety data sheet.

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	UNISILKON L 50/2
Cartridge 500 g	+
Can 750 g	+
Bucket 30 kg	+

Product data	UNISILKON L 50/2
Article number	022095
Chemical composition, type of oil	silicone oil
Chemical composition, solid lubricant	PTFE
Lower service temperature	-50 °C / -58 °F
Upper service temperature	200 °C / 392 °F
Colour space	white



UNISILKON L 50_2

High-temperature grease for a wide service temperature range

Product data	UNISILKON L 50/2
Texture	almost homogeneous
Texture	short-fibred
Density at 20 °C	approx. 1.25 g/cm ³
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	265 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	295 x 0.1 mm
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 25 °C	approx. 200 mm ² /s
Speed factor (n x dm)	approx. 500 000 mm/min
Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree
Copper corrosion, DIN 51811, (lubricating grease), 24h/150 °C	1 - 150 corrosion degree
Flow pressure of lubricating greases, DIN 51805, test temperature: -50 °C	<= 1 400 mbar
Drop point, DIN ISO 2176, IP 396	>= 250 °C
Resistance to cold and hot water and water steam up to approx. 130 °C	passed
Water resistance, DIN 51807 pt. 01, 3 h/90 °C, rating	<= 1 - 90
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.

Klüber Lubrication München SE & Co. KG /
Geisenhausenerstraße 7 / 81379 München / Germany /
phone +49 89 7876-0 / fax +49 89 7876-333.

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.

Publisher and Copyright: Klüber Lubrication München SE & Co. KG. Reprints, total or in part, are permitted only prior consultation with Klüber Lubrication München SE & Co. KG and if source is indicated and voucher copy is forwarded.