

# 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](http://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	+

Characteristics	UNISILKON L 50/2
Article number	022095
Composition, solid lubricant	PTFE
Composition, type of oil	silicone oil
Colour space	white

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Characteristics	UNISILKON L 50/2
Texture	almost homogeneous , short fibrous
Service temperature, lower limit	-50 °C
Service temperature, upper limit	200 °C
Density, Klüber method: PN 024, 20°C	approx. 1.25 g/cm³
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	265 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	295 0.1 mm
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 25°C	approx. 200 mm²/s
Copper corrosion, DIN 51811, 24 h, 150°C	1 - 150 - 24 corrosion degree
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 168 h	≤ 1 corrosion degree
Flow pressure, DIN 51805-2, -50°C	≤ 1400 mbar
Dropping point, DIN ISO 2176 / IP 396	≥ 250 °C
Speed factor (n x dm)	approx. 500000 mm/min
Media resistance, medium cold water / hot water / water steam up to approx. 130°C	passed
Water resistance, DIN 51807-1, 3 h, 90°C	≤ 1 - 90 rating
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 90 years.

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

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