

# 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    | +                |

| 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            |



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| Product data   | UNISILKON L 50/2               |
|--|--------------------------------|
| Texture  | almost homogeneous             |
| Texture  | short-fibred                   |
| Density at 20 °C   | approx. 1.25 g/cm <sup>3</sup> |
| 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 <sup>2</sup> /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.

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