

UNISILKON® L 200

Special lubricating grease for tap water and heating fittings



Description

UNISILKON L 200 is a special lubricating grease based on silicone oil and PTFE.

The product meets the legislative provisions of the German Health Authority governing the use of plastics and drinking water (DVGW-KTW). It is also approved by WRC (Water Research Centre), Great Britain.

Application

UNISILKON L 200 is used for the lubrication of various components and materials in sanitary fittings like single-lever mixer taps, thermostatic mixer taps, shower switches, shower heads, swivel spouts. It is neutral towards many plastics and elastomers, e.g. ABS, PC, EPDM, NBR. Owing to the many different elastomer and plastic compositions we recommend checking compatibility prior to series application.

Examples of materials in sliding contact: metal/plastic, plastic/plastic, ceramic/ceramic, ceramic/plastic.

UNISILKON L 200 is resistant to cold and hot water, water steam up to approx. 130°C. UNISILKON L 200 is not resistant to most organic solvents such as strong acids and alkaline solutions.

Application notes

UNISILKON L 200 can be applied by brush, spatula or the usual application systems.

Please also observe the material 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

750 g can
25 kg bucket

UNISILKON L 200

- Good sealing effect
- High thermal stability
- High resistance to many aqueous solutions
- Neutral towards many plastics and elastomers, e.g. ABS, PC, EPDM, NBR
- Excellent resistance to cold and hot water, water steam
- Certified acc. to DVGW-KTW and WRC

Product data

Base oil	silicone oil
Thickener	PTFE
Service temperature range [°C] *	-40 to 160
Color	white
Texture	homogeneous, long-fibred
Density at 20 °C, [g/cm ³]	1.4
Worked penetration, DIN ISO 2137, at 25 °C [0.1mm], approx.	195 - 225
Klüber viscosity grade**	ES
Drop point, DIN ISO 2176 [°C]	> 250
Water resistance, DIN 51 807 pt. 01, 3h/90 °C, rating	≤ 0 - 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.

** 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

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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