

UNISILKON NCA 3001

Special lubricating grease for drinking water taps



Description

UNISILKON NCA 3001 is a special lubricating grease based on silicone oil and a special calcium soap for taps and valves in the sanitary sector.

UNISILKON NCA 3001 offers good penetration ability on small lubrication gaps and lube points of difficult access.

As its viscosity is rather independent from service temperatures, UNISILKON NCA 3001 allows constant actuating forces within the whole cold/hot water range of single-lever mixer taps. The grease is compatible with most substances in the beverage industry and with acid and alkaline disinfectants. It is not compatible with most organic solvents, strong acid and alkaline solutions.

Application

UNISILKON NCA 3001 is used for example as sealing grease and assembly aid for seals and packings in contact with hot and cold water or water steam: piston cartouches, ceramic discs (surface pressure > 0.7 N/mm²), upper parts of ceramic valves.

Application notes

UNISILKON NCA 3001 is neutral towards most metals, thermoplastics (e.g. ABS, PC) and elastomers (e.g. NBR, EPDM). Owing to the many different elastomer and plastic compositions its compatibility has to be checked prior to series application. The product can be applied by means of spatula, brush, the usual metering systems or by the

tampon printing method. Please observe 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

1 kg can
25 kg bucket

UNISILKON NCA 3001

- Excellent wetting
- Operational smoothness due to good viscosity-temperature behavior
- Excellent resistance to cold and hot water
- Good thermal stability
- Good sealing effect
- Neutral towards metals, elastomers and plastics
- Certified acc. to DVGW-KTW, NSF 51 and NSF 61

Product data

Base oil	silicone oil
Thickener	special calcium soap
Service temperature range [°C]*	-50 to 150
Color	beige
Texture	homogeneous, fibrous
Density at 20°C, [g/cm ³], approx.	0.95
Worked penetration, DIN ISO 2137, at 25°C [0.1mm], approx.	295-325
Klüber viscosity grade**	S
Drop point, DIN ISO 2176 [°C]	> 190
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 mechano-dynamical 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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