

UNISILKON GLK 112

Special grease for Bowden cables, seals and plastics



Benefits for your application

- Good low-temperature characteristics and wide service temperature range
- Good compatibility with elastomers and plastics
- Good wetting of functional surfaces

Description

UNISILKON GLK 112 ensures smooth running of components at low temperatures and is at the same time resistant to high temperatures. It is based on silicone oil and a special lithium soap. The product is compatible with many different elastomers (but not silicone rubber) and plastics. Approval VW TL 767 X.

Application

UNISILKON GLK 112 is primarily used for the lubrication of rubber/metal, plastic/metal or plastic/plastic friction pairings. Possible applications are in slideways, seals (also EPDM), Bowden cables. In such applications, UNISILKON GLK 112 reduces friction, prevents squeaking noises and forms a protective layer against atmospheric attack on rubber and plastics. UNISILKON GLK 112 can be used in many components where lifetime lubrication is required.

Application notes

The lubricant is applied by spatula, brush or grease gun. Owing to the many compositions of elastomers and plastics, compatibility with such materials should be tested prior to series application. To attain optimum adhesion, we recommend cleaning the friction points prior to application and remove in particular any oil or grease.

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

Product data	UNISILKON GLK 112
Article number	022169
Lower service temperature	-50 °C / -58 °F
Upper service temperature	180 °C / 356 °F
Density at 20 °C	approx. 0.96 g/cm ³
Colour space	white
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
Shear viscosity at 25 °C, shear rate 300 s ⁻¹ , equipment: rotational viscometer, lower limit value	2 000 mPas
Shear viscosity at 25 °C, shear rate 300 s ⁻¹ , equipment: rotational viscometer, upper limit value	8 000 mPas
Flow pressure of lubricating greases, DIN 51805, test temperature: -50 °C	<= 1 400 mbar
Oil separation, based on ASTM D 6184 [FTMS 791 C 321] after 30 h/150 °C	<= 3 % by weight
Drop point, DIN ISO 2176, IP 396	>= 220 °C
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



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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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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.

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