

Klüberbeta VR 67-3500

Special soft grease for sanitary, beverage and heating valves and taps



Benefits for your application

- **Prolonged service life of cartridges, valves and fittings due to**
 - continuous wetting of the friction surfaces
 - compatibility with most standard elastomers and plastics
 - friction and wear reduction in most material combinations
- **Prevents stick-slip and provides balanced damping of operation**
 - temperature has little effect on lubricating film thickness
- **Certified for use in drinking water and beverage taps**
 - according to UBA (German Environmental Agency) guideline (KTW), NSF 61, WRAS, ACS, AS 4020
 - further certification available on request
- **NSF H1 registered supporting process reliability**

Description

Klüberbeta VR 67-3500 is a soft white adhesive silicone grease. The particular consistency and the use of special silicone oils ensure reliable operation over a wide temperature range for sanitary, beverage and heating valves and taps.

Klüberbeta VR 67-3500 is NSF H1 registered and therefore complies with FDA 21 CFR § 178.3570. The lubricant was developed for incidental contact with products and packaging materials in the food-processing, cosmetics, pharmaceutical or animal feed industries. The use of Klüberbeta VR 67-3500 can contribute to increase reliability of your production processes. We nevertheless recommend conducting an additional risk analysis, e.g. HACCP.

Application

Klüberbeta VR 67-3500 is suitable for drinking water and beverage taps as well as in heating installations whenever complex friction geometries require a fluid grease distribution.

Typical applications include the lubrication of ceramic discs, e.g. in single lever mixer taps, piston mixers, shower valves, thermostats, and similar components.

Klüberbeta VR 67-3500 generally provides load-bearing lubricating films up to 2.5 N/mm² under normal operating conditions in the industry. Depending on the design, this value can also be exceeded.

Due to its consistency, Klüberbeta VR 67-3500 is particularly suitable as assembly lubricant for seals, O rings and seal packings.

It also reduces friction and wear in other components like plastic taps, packings and laboratory equipment.

Application notes

Klüberbeta VR 67-3500 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. Klüberbeta VR 67-3500 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. You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	Klüberbeta VR 67-3500
Can 1 kg	+
Bucket 25 kg	+



Klüberbeta VR 67-3500

Special soft grease for sanitary, beverage and heating valves and taps

Product data	Klüberbeta VR 67-3500
Article number	022224
NSF-H1 registration	144 018
Chemical composition, type of oil	silicone oil
Chemical composition, solid lubricant	PTFE
Lower service temperature	-40 °C / -40 °F
Upper service temperature	140 °C / 284 °F
Colour space	white
Density at 20 °C	approx. 1.05 g/cm ³
NLGI grade, DIN 51818	00
Shear viscosity at 25 °C, shear rate 300 s ⁻¹ , equipment: rotational viscometer, lower limit value	17 000 mPas
Shear viscosity at 25 °C, shear rate 300 s ⁻¹ , equipment: rotational viscometer, upper limit value	25 000 mPas
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 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.

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

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.

Publisher and Copyright: Klüber Lubrication München SE & Co. KG. Reprints, total or in part, are permitted only prior consultation with Klüber Lubrication München SE & Co. KG and if source is indicated and voucher copy is forwarded.