

PARALIQ® GTE 703

Synthetic lubricating grease for valves & fittings with EPDM seals

Benefits for your application

- A reduction in your lubricant inventory with one lubricant which can be considered for both seals and rolling bearings
 - Good compatibility when coming in contact with EPDM seals or even beer foam enhancing seal life and reduction in down time
 - High resistance to many types of media such as disinfectants, cleaning agents, water, steam ensuring maximum protection of both seals and bearings , enhancing life and operating cost reduction
 - NSF H1 registered supporting process reliability and approved according to WRAS
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Description

PARALIQ GTE 703 is a special lubricating grease based on silicone oil and PTFE.

The product is registered as NSF H1 and complies with FDA 21 CFR § 178.3570.

Besides for seals, PARALIQ GTE 703 may also be used for very low-load rolling bearings used in the beverage industry where an EPDM-compatible H1 lubricant is required. Very low load applications with a C/P ratio of >30 and slow speeds.

PARALIQ GTE 703 is resistant to hot and cold water, disinfectants, cleaning agents and steam.

When applied properly, it does not impair the formation of froth or the taste of beer.

The German testing laboratory for beverage dispensing taps in Gräfelting, Germany, confirmed that PARALIQ GTE 703 meets all requirements for a sealing grease in dispensing units.

Application

PARALIQ GTE 703 is a special grease suitable for beer taps, barrel filling installations and valves.

It can be used for the lubrication of seals in the beverage industry whenever a H1 lubricating grease compatible with EPDM is required.

Application notes

PARALIQ GTE 703 can be applied by spatula, grease gun or directly from the tube.

The lubrication technique for highly viscous lubricants should be chosen with great care: in the system used the intake of air should be avoided since otherwise the high pressures lead to oxidation and consequently decomposition of the product.

For this reason we recommend pumping the product with the lowest pressure possible. It may make sense to contact the manufacturer of the application equipment used.

As a general rule, users should make sure to use only new high-pressure pumping lines in their lubrication equipment.

As a precaution against grease leaking from lines we recommend wearing suitable protection gear. (e.g. protective goggles).

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.



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Pack sizes

25 x 60 g tubes
750 g cans
600 g cartridges
25 kg buckets

Material Safety Data Sheets

Material safety data sheets can be downloaded or requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.

Product data	PARALIQ GTE 703
Colour	white
Texture	homogeneous
Density, at 20 °C, [g/cm ³], approx	1.31
Worked penetration at 25 °C, DIN ISO 2137, 0.1 mm	220 - 250
Apparent dynamic viscosity, viscosity grade**	S
Service temperature range, [°C] * approx	-50 to 150
NSF-H1 registration***, registration No.	056372

* 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

*** This lubricant is registered as H1, which means that it has been designed for incidental, technically unavoidable food contact. Experience shows that it can be used for equivalent applications in the cosmetic and pharmaceutical industry under the conditions described in the product information leaflet. Specific test results as e.g. biocompatibility, which could be an additional requirement for applications in the pharmaceutical industry, are not available for this product. Therefore, before using the lubricant adequate risk analyses should be performed and, if necessary, suitable measures be taken by the manufacturer and user of installations in order to exclude the risk of health hazards and personal injuries.

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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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