

Klüberalfa GR CR 2610

Long-term grease for high-speed applications



Benefits for your application

- High oil release for high speed and limited grease volume
- Low start-up torques even at low temperatures
- For applications exposed to aggressive media

Description

Klüberalfa GR CR 2610 is based on a perfluorinated polyether oil (PFPE) with a polytetrafluoroethylene (PTFE) thickener. With its special oil viscosity and high oil content, Klüberalfa GR CR 2610 has been designed for optimum lubricant flow to the friction point in a wide variety of applications.

Application

The base oil viscosity and high oil content of Klüberalfa GR CR 2610 is preferred for applications where reliable oil supply to the friction point is an issue. This is often the case with rolling bearings designed for high speed factors and the resulting high centrifugal forces, or needle bearings where narrow free space requires a grease that will readily release the base oil to maintain the lubricant film.

The base oil viscosity and base oil content of Klüberalfa GR CR 2610 have therefore been chosen to meet these special requirements and enable optimum oil flow to the friction point. This is enhanced by the high viscosity index ensuring good sliding friction behaviour over a wide temperature range.

Application examples are

- Vacuum pumps
- Rolling bearings in the automotive industry

- Miniature rolling bearings
- Plain or needle bearings

Application notes

For optimum lubrication results, we recommend cleaning the friction points with white spirit 180/210 followed by Klüberalfa XZ 3-1. Then blow the surfaces with clean, dry compressed air or hot air to remove solvent residues. For initial lubrication, the friction points must be clean and bright, i.e. free from oil, grease, perspiration and contamination. Klüberalfa GR CR 2610 is applied directly or by means of brush, spatula or lubricant dispenser. The technical sales departments at Klüber Lubrication may be contacted at any time for advice to ensure optimum service life results.

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	Klüberalfa® GR CR 2610
Tube 100 g	+
Can 1 kg	+

Product data	Klüberalfa® GR CR 2610
Article number	090185
Chemical composition, type of oil	PFPE
Chemical composition, solid lubricant	PTFE
Lower service temperature	-55 °C / -67 °F
Upper service temperature	200 °C / 392 °F
Colour space	white



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Product data	Klüberalfa® GR CR 2610
Texture	homogeneous
Density at 20 °C	approx. 1.90 g/cm ³
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	285 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	315 x 0.1 mm
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 140 mm ² /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 25 mm ² /s
Oil separation, based on ASTM D 6184 [FTMS 791 C 321], after 30 h/200 °C	<= 15 % by weight
Evaporation loss, ASTM D 2595 22h/204°C	<= 5 % by weight
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	60 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.

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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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