

Klübertemp GR CR 862

Long-term grease for a wide temperature range



Benefits for your application

- Longer maintenance intervals in high-temperature applications
- For applications exposed to aggressive media
- Anticorrosive effect due to special additives

Description

Klübertemp GR CR 862 is based on a perfluorinated polyether oil (PFPE) with a polytetrafluoroethylene (PTFE) thickener. This raw material combination and the special additives used offer highly effective protection against wear and corrosion as well as long relubrication intervals.

Application

The base oil viscosity of Klübertemp GR CR 862 has been selected for the specific requirements of roller bearings to ensure optimum lubricant supply to the friction point. This is also supported by the high viscosity index, which enables operation over a wide temperature range.

Klübertemp GR CR 862 was originally developed for the lubrication of cardboard corrugator roll bearings. It is now successfully used also in numerous other applications where medium viscosity and good thermal resistance are required, e.g. in semiconductor production plants.

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. Klübertemp GR CR 862 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	Klübertemp® GR CR 862
Tube 100 g	+
Cartridge 800 g	+
Can 1 kg	+

Product data	Klübertemp® GR CR 862
Article number	090186
Chemical composition, type of oil	PFPE
Chemical composition, solid lubricant	PTFE
Lower service temperature	-30 °C / -22 °F
Upper service temperature	230 °C / 446 °F
Colour space	white
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	325 x 0.1 mm



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Long-term grease for a wide temperature range

Product data	Klübertemp® GR CR 862
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 285 mm ² /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 43 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	<= 3 % 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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