

Klübertemp GR CR 862

Long-term grease for a wide temperature range



Your benefits at a glance

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

Your requirements - our solution

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
Cartridge 800 g	+
Can 1 kg	+

Characteristics	Klübertemp GR CR 862
Article number	090186
Composition, solid lubricant	PTFE
Composition, type of oil	PFPE
Colour space	white
Texture	homogeneous
Service temperature, lower limit	-30 °C

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Characteristics	Klübertemp GR CR 862
Service temperature, upper limit	230 °C
Density, Klüber method: PN 024, 20°C	approx. 1.9 g/cm ³
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	285 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	325 0.1 mm
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 43 mm ² /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 285 mm ² /s
Oil separation, ASTM D6184, based on standard, 30 h, 200°C	≤ 15 % by weight
Evaporation loss, ASTM D2595, 22 h, 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 90 years.

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