

Klübertemp GR RT 15 N

Long-term lubricating grease for high-temperature applications



Your benefits at a glance

- For use at high operating temperatures up to 250 °C
- For applications exposed to aggressive media

Your requirements - our solution

Klübertemp GR RT 15 N is a white, homogeneous long-term grease based on perfluorinated polyether oils (PFPE) and polytetrafluoroethylene (PTFE).

Klübertemp GR RT 15 N shows good compatibility with plastics and elastomers, enabling a wide range of component materials to be selected.

It has been tested for application with selected non-ferrous metals.

Application

Klübertemp GR RT 15 N is used in numerous sectors of industry and a wide variety of components operating at high temperatures.

Behaviour towards elastomers and plastics:

Lubricants based on perfluorinated polyether oils and polytetrafluoroethylene are generally regarded as neutral towards most elastomers and plastics (exception: perfluorinated rubber).

Nevertheless we recommend testing compatibility with the material to be used, especially prior to series application.

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 and perspiration.

Klübertemp GR RT 15 N 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 RT 15 N
Can 1 kg	+
Bucket 20 kg	+

Characteristics	Klübertemp GR RT 15 N
Article number	090223
Composition, solid lubricant	PTFE
Composition, type of oil	PFPE
Colour space	white
Texture	homogeneous
Service temperature, lower limit	-20 °C

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Characteristics	Klübertemp GR RT 15 N
Service temperature, upper limit	250 °C
NLGI grade, DIN 51818	2
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	265 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	295 0.1 mm
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 33 mm ² /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 370 mm ² /s
Copper corrosion, DIN 51811, 24 h, 100°C	1 - 100 - 24 corrosion degree
Oil separation, ASTM D6184, based on standard, 30 h, 200°C	≤ 12 % by weight
Flow pressure, DIN 51805-2, -20°C	≤ 1400 mbar
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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