

# Klüber Noxlub® KF 0921

High-temperature and long-term grease  
with good low-temperature properties



## Description

Klüber Noxlub KF 0921 is a fully synthetic long-term lubricating grease based on perfluorinated polyethers of high viscosity index. The grease covers a wide service temperature range even at temperatures down to  $-65^{\circ}\text{C}$ .

## Application

Klüber Noxlub KF 0921 is suitable for the long-term lubrication of rolling or plain bearings requiring low starting torques in a variable environment along with the known advantages of PFPE lubricants.

At temperatures as low as  $-65^{\circ}\text{C}$  Klüber Noxlub KF 0921 is still pliant enough not to overload low-torque actuators, e.g. in the automotive or aerospace industries.

### *Behaviour towards elastomers and plastics*

Lubricating greases based on polyether and PTFE are mostly neutral towards elastomers and plastics (except for perfluorinated rubber). Prior to series application, however, we recommend testing the lubricant compatibility with the materials in question.

## Application notes

Klüber Noxlub KF 0921 can be applied by spatula, brush or lubricant dispenser.

For optimum lubrication results we recommend cleaning the friction points with white spirit 180/210 and then with Klüberalfa XZ 3-1 prior to initial lubrication. Thereafter the friction points should be blown with clean dry compressed air (or hot air) to remove all remaining white spirit

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.



Klüber Lubrication, a member of the Freudenberg group

Publisher and Copyright:  
Klüber Lubrication München KG

Reprints, total or in part, are permitted if source is indicated and voucher copy is forwarded.

Klüber Lubrication München KG  
Geisenhausenerstraße 7, 81379 München, Deutschland  
☎ +49 89 7876-0, Telefax +49 89 7876-333, www.klueber.com

residues. All application points should be bright (free of oils, greases and perspiration) and completely free from all contaminants prior to initial lubrication.

Please feel free to consult your local Klüber sales department to ensure a maximum service life is attained with this special product.

## Minimum shelf life

The minimum shelf life is approx. 60 months if the product is stored in its unopened original container in a dry place.

## Pack size

1 kg can

## Product data

Composition	perfluorinated polyether oil, PTFE
Service temperature range,* [ $^{\circ}\text{C}$ ]	- 65 to 220
Colour	white
Density at 20 $^{\circ}\text{C}$ , [ $\text{g}/\text{cm}^3$ ], approx.	1.90
Consistency, DIN 51 818; NLGI grade	2
Drop point, DIN ISO 2176**; [ $^{\circ}\text{C}$ ]	not measurable
Base oil viscosity, DIN 51 366, at 40 $^{\circ}\text{C}$ , [ $\text{mm}^2/\text{s}$ ] approx.	90
at 100 $^{\circ}\text{C}$ , [ $\text{mm}^2/\text{s}$ ] approx.	25
Apparent dynamic viscosity, Klüber viscosity grade ***	L
Corrosion protection, DIN 51802, (SKF-EMCOR), testing period 1 week, distilled water	$\leq 1$

\* 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.

\*\* The drop point of this lubricating grease is not measurable according to DIN 2176 (non-melting); however, above 170  $^{\circ}\text{C}$  oil separation might occur.

\*\*\* 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

## Klüber Noxlub KF 0921

- Wide service temperature range
- Good low-temperature properties
- Very good resistance to ambient media
- Good corrosion protection
- High oxidation stability

Material safety data sheets can be downloaded or requested via our website [www.klueber.com](http://www.klueber.com). You may also obtain them through your contact person at Klüber.