Klüberplex BE 11-462

Mineral oil based rolling and sliding bearing grease

Benefits for your application

- **Free from heavy metals and chlorine**
- **Wide service temperature range**
- **Suitable for lubrication points exposed to high loads**
- **Adhesive**
- **Resistant to water**

Description

Klüberplex BE 11-462 is a mineral oil based, aluminium complex saponified grease for rolling and sliding bearings. It is free from heavy metals and chlorine, protects well against wear and is highly pressure absorptive. Other features of Klüberplex BE 11-462 include excellent adhesiveness, water resistance and protection against corrosion.

Application

Klüberplex BE 11-462 is designed for the lubrication of rolling and sliding bearings as well as slide- and guide-ways within a wide range of temperatures. It is ideal for use as a multi-purpose grease in the base materials industry, for lubrication points exposed to high loads in the iron and steel industries, and for long-term lubrication of construction machines and earthmovers.

Application notes

Klüberplex BE 11-462 can be applied by grease gun, brush, spatula, or automatic lubrication.

Service temperature range

The recommended temperature range for Klüberplex BE 11-462 is between -15 °C and 150 °C. For consumptive lubrication, the range may be extended up to approx. 200 °C depending on relubrication. Service temperatures are approximations and may vary with lubricant composition, intended use, and method of application.

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	Klüberplex BE 11-462	Klüberplex BE 11-462Spray
Aerosol can 400 ml	-	+
Bucket 25 kg	+	-
Drum 180 kg	+	-

Note

Except for the article number and the minimum shelf life, the spray data below refer to the solvent-free spray agent.

Product data	Klüberplex BE 11-462	Klüberplex BE 11-462Spray
Article number	097111	081007
NLGI grade, DIN 51818	2	2
Appearance	transparent	transparent

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Product data	Klüberplex BE 11-462	Klüberplex BE 11-462Spray
Colour space	brown	brown
Texture	homogeneous	homogeneous
Texture	short-fibred	short-fibred
Density at 20 °C	approx. 0.92 g/cm³	approx. 0.92 g/cm³
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	265 x 0.1 mm	265 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	295 x 0.1 mm	295 x 0.1 mm
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 500 mm²/s	approx. 500 mm²/s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 30 mm²/s	approx. 30 mm²/s
Drop point, DIN ISO 2176, IP 396	>= 230 °C	>= 230 °C
Testing of lubricating greases on FAG FE9 rolling bearing tester, DIN 51821, speed: 3000 min-1, axial load: 1500 N, temperature: 150 °C, service life F50:	>= 100 h	>= 100 h
Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree	<= 1 corrosion degree
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months	36 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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