Klübersynth HB 72- 52

High-temperature grease for rolling bearings

Benefits for your application

- **Long service life**
- **Wide service temperature range**
- **Good corrosion protection and water resistance**
- **Compatible with EPDM**

Description

Klübersynth HB 72-52 is a synthetic high-temperature grease. It is based on special ester oil, a polyurea thickener and selected additives and covers a wide service temperature range. The grease is compatible with EPDM, offers excellent running times, good corrosion protection as well as water washout resistance.

Application

Klübersynth HB 72-52 has been especially designed for the lifetime lubrication of rolling bearings with EPDM seals such as brake and clutch release bearings, automotive rolling bearing components or electric motors and high-speed bearings.

Application notes

The lubricant is applied by means of spatula, brush, grease gun or grease cartridge. Please run your own test if you wish to use your automatic lubrication system or contact us for more information.

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	Klübersynth HB 72-52
Can 1 kg	+
Bucket 25 kg	+
Drum 180 kg	+

Product data	Klübersynth HB 72-52
Article number	094028
Chemical composition, thickener	polyurea
Chemical composition, type of oil	ester oil
Lower service temperature	-30 °C / -22 °F
Upper service temperature	180 °C / 356 °F
Density at 20 °C	approx. 1.05 g/cm³
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	280 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	310 x 0.1 mm
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 55 mm²/s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 8.8 mm²/s
Speed factor (n x dm)	approx. 1 000 000 mm/min
Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree
Drop point, DIN ISO 2176	>= 250 °C

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Testing of lubricating greases on FAG FE9 rolling bearing tester, DIN 51821 pt. 01, speed:6000 min-1, axial load:1500 N, temperature:180 °C, Assembly B. Service life F50	>= 100 h
SKF-ROF rolling bearing tester, axial load: 100 N, radial load: 50 N, speed: 10000 min-1, temperature:170 °C, service life F50:	>= 1 000 h
Low-temperature torque, IP 186, -35 °C, start	<= 1 000 mNm
Low-temperature torque, IP 186, -35 °C, running	<= 100 mNm
Water resistance, DIN 51807 pt. 01, 3 h/90 °C, rating	0 - 90
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	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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