

Klüberail LEA 62-2000

Readily biodegradable wheel flange lubricant for rail vehicles



Your benefits at a glance

- Significant wear reduction on wheels and rails
- Noise reduction, especially on curves
- Good adhesion for full effect at high speeds
- Good rain resistance
- High environmental compatibility as the lubricant is readily biodegradable

Your requirements - our solution

Klüberail LEA 62-2000 is a eco-compatible, fully synthetic speciality lubricant for the lubrication of wheel flanges on rail vehicles. This grey fluid grease is readily-biodegradable acc. to OECD 301 F and is based on a rapidly biodegradable synthetic oil, an inorganic thickener and a combination of selected additives. Its chemical composition ensures good wear protection for wheels and rails and reduces stick slip effects on curves to reduce noise. The additives used in Klüberail LEA 62-2000 ensure good adhesion to the wheel flange, so the lubricant does not fling off even at high speeds (passed DB test PA-0001). The lubricant also offers good water resistance, so it is not washed off by rain.

Klüberail LEA 62-2000 is an eco-compatible lubricant for wheel flange lubrication in rail vehicles.

Application notes

Klüberail LEA 62-2000 is particularly suitable for use in automatic wheel flange spray lubrication systems. The fluid grease offers good feed characteristics, even at low temperatures.

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.

Application

Pack sizes	Klüberail LEA 62-2000
Can 1 kg	+
Drum 180 kg	+
Characteristics	Klüberail LEA 62-2000
Article number	009037
Composition, solid lubricant	solid lubricant
Composition, thickener	silicate
Composition, type of oil	ester oil
Colour space	grey
Texture	homogeneous
Service temperature, lower limit	-40 °C
Service temperature, upper limit	80 °C

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Characteristics	Klüberail LEA 62-2000
Biodegradability, OECD 301 F	≥ 60 %
Density, Klüber method: PN 024, 20°C	approx. 0.98 g/cm ³
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	430 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	475 0.1 mm
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 100°C	approx. 5 mm ² /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 20 mm ² /s
Four-ball tester: wear characteristics, DIN 51350-3, B: 300 N, 60 min, wear scar diameter	≤ 1 mm
Four-ball tester, welding load, DIN 51350-4	≥ 2800 N
Water resistance, DIN 51807-1, 3 h, 40°C	0 - 40 rating
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	24 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 95 years.

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