Klüberplex GE 11-680

Adhesive gear lubricant

Your benefits at a glance

- Adhesive lubricant
- Free of raw materials containing lead or solvents
- Resistant to high pressures
- FZG scuffing load stage > 12
- Anticorrosion properties
- Applicable through automatic lubrication systems

Your requirements - our solution

Klüberplex GE 11-680 is an adhesive lubricant with a mineral oil base and an aluminium complex soap thickener. It is resistant to high pressure and contains anti-wear additives, corrosion and oxidation inhibitors. Klüberplex GE 11-680 is free of bitumen, solvents and raw materials containing lead.

Application

Klüberplex GE 11-680 is designed for the lubrication of open and closed spur and bevel gears, lifting spindles, slideways and guideways, large chain drives and sliding bearings. It is particularly suitable for elevated component temperatures and wherever adhesive lubricants containing solid lubricants should not be used.

Application notes

Klüberplex GE 11-680 should preferably be used for the lubrication of tooth flanks. It is applied to the gears through automatic spray systems. Smaller drives are also lubricated through positive drip-feed equipment, by brush or a hand spray equipment (e. g. with the Klübermatic LB spray gun). Splash lubrication is possible for components operating at low circumferential speeds (< 3 m/s).

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 GE 11-680
Cartridge 400 g	+
Can 1 kg	+
Bucket 5 kg	+
Bucket 25 kg	+
Drum 180 kg	+

Characteristics	Klüberplex GE 11-680
Article number	039060
Composition, thickener	aluminium complex soap
Composition, type of oil	mineral oil
Colour space	brown

a brand of FREUDENBERG

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Characteristics	Klüberplex GE 11-680
Texture	very soft
Service temperature, lower limit	-20 °C
Service temperature, upper limit	140 °C
Density, Klüber method: PN 024, 20°C	approx. 0.9 g/cm³
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	380 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	420 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. 36 mm²/s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 685 mm²/s
Copper corrosion, DIN 51811, 24 h, 100°C	1 - 100 - 24 corrosion degree
Flow pressure, DIN 51805-2, -20°C	≤ 1400 mbar
FZG scuffing test, DIN ISO 14635-3, based on standard, A / 2.8 / 50, change of weight	≤ 0.2 mg/kWh
FZG scuffing test, DIN ISO 14635-3, based on standard, A / 2.8 / 50, failure load stage	> 12
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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