

SYNTHESO GLK 0, GLK 1

Special lubricating greases for elastomers



Your benefits at a glance

- Special lubricants for the assembly and lifetime lubrication of elastomers
- Almost neutral towards EPDM/metal or plastic sliding material combinations

Your requirements - our solution

SYNTHESO GLK 0 and GLK 1 are special lubricating greases for a wide variety of applications with an almost neutral behaviour towards many elastomers (also EPDM) and plastics. Both products offer excellent wear protection, high load-carrying capacity, good adhesion and resistance to water.

Application

SYNTHESO GLK 0 and GLK 1 have been designed for the lubrication of elastomer – metal, plastic – metal, plastic – plastic, as well as metal – metal sliding material combinations. The products are typically used in the automotive industry as assembly greases for plain bearings. E.g. in brake and clutch systems for linear motion in contact with brake fluids DOT 3, 4 and 5.1. Application examples: guide bushes, bolts, EPDM and SBR seals, clutch master and slave cylinders, corrosion protection of brake shoe supports in disc brake callipers. In all such applications, SYNTHESO GLK0 and GLK1 facilitate damage free assembly and provide reliable long term

lubrication. SYNTHESO GLK 0 and GLK 1 can also be used for the lubrication of plain bearings with low sliding velocities and for the lubrication of small plastic gears.

Application notes

A wear test should be carried out prior to using SYNTHESO GLK 0 and GLK 1 in context with aluminium or aluminium alloys under dynamically high load conditions. Owing to the many different elastomer and plastic compositions we recommend checking their compatibility prior to series application. The possibility of a change in colour is inherent in this product concept. It has, however, no influence on product performance.

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	SYNTHESO GLK 0	SYNTHESO GLK 1
Can 1 kg	+	+
Bucket 18 kg		+
Bucket 25 kg	+	+
Bucket 50 kg	+	+
Drum 180 kg	+	+

Characteristics	SYNTHESO GLK 0	SYNTHESO GLK 1
Article number	012134	012126
Composition, thickener	lithium complex soap	lithium complex soap
Composition, type of oil	polyalkylenglycol	polyalkylenglycol
Colour space	beige	beige

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Characteristics	SYNTHESO GLK 0	SYNTHESO GLK 1
Texture	fibrous , homogeneous	homogeneous , long fibrous
Service temperature, lower limit	-40 °C	-40 °C
Service temperature, upper limit	150 °C	150 °C
Density, Klüber method: PN 024, 20°C	approx. 0.97 g/cm ³	approx. 0.97 g/cm ³
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	355 0.1 mm	285 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	375 0.1 mm	315 0.1 mm
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 363 mm ² /s	approx. 363 mm ² /s
Dropping point, DIN ISO 2176 / IP 396	≥ 220 °C	≥ 250 °C
Water resistance, DIN 51807-1, 3 h, 90°C	≤ 1 - 90 rating	≤ 1 - 90 rating
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 90 years.

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