UNISILKON GLK 1301

Highly viscous damping grease

Your benefits at a glance

- Good mechanical damping properties for
  - optimal smooth running in torsion dampers
  - improved haptical characteristics of car components
- Wide service temperature range due to specially selected raw materials
- For use with many types of material combinations

Your requirements - our solution

Today's vehicles have to meet ever-increasing requirements in terms of high-quality feel and driving comfort. An important aspect in this context is the prevention of vibrations and noise.

UNISILKON GLK 1301 meets these requirements due to its viscosity and the consequent good damping characteristics in your application. The carefully selected, high-quality raw materials of UNISILKON GLK 1301 also offer you a wide service temperature range, providing optimum lubrication for the component even at changing climatic conditions.

Application

UNISLKON GLK 1301 was developed as a damping grease for two-mass flywheels serving to eliminate vibrations as are caused, for example, by the imbalanced rotation of internal combustion engines.

UNISILKON GLK 1301 is used with the material combinations plastic / plastic, plastic / metal or metal / metal.

Application notes

UNISILKON GLK 1301 is neutral towards most metals, thermoplastics and elastomers.

Owing to the many different compositions of elastomer and plastic materials, we recommend checking and confirming their compatibility especially prior to series application.

UNISILKON GLK 1301 can be applied by grease gun, brush or spatula and can be pumped in automatic systems.

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	UNISILKON GLK 1301
Can 1 kg	+
Bucket 25 kg	+
Bucket 50 kg	+
Drum 180 kg	+

Characteristics	UNISILKON GLK 1301
Article number	022170
Composition, thickener	lithium complex soap
Composition, type of oil	silicone oil

UNISILKON GLK 1301

Highly viscous damping grease

Characteristics	UNISILKON GLK 1301
Colour space	white
Texture	fibrous , homogeneous
Service temperature, lower limit	-50 °C
Service temperature, upper limit	150 °C
Density, Klüber method: PN 024, 20°C	approx. 0.98 g/cm³
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, difference after 10000 double strokes	≤ +60 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	320 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	360 0.1 mm
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s^{-1}, lower limit	5500 mPas
Shear viscosity, Klüber method: PN 008@DIN 53019-1, equipment: rotational viscometer, 25°C, 300 s^{-1}, upper limit	7500 mPas
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 500 mm²/s
Oil separation, ASTM D6184, based on standard, 30 h, 150°C	≤ 4 % by weight
Oil separation, DIN 51817 N, 168 h, 40°C	≤ 4 % by weight
Oil separation, DIN 51817, based on standard, 96 h, 60°C	≤ 5 % by weight
Flow pressure, DIN 51805-2, -50°C	≤ 1400 mbar
Dropping point, DIN ISO 2176 / IP 396	≥ 250 °C
Oxidation stability, ASTM D942, 99°C, pressure drop	≤ 0.3 bar
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 90 years.

Klüber Lubrication München GmbH & Co. KG /
Geisenhausenerstraße 7 / 81379 München / Germany /
phone +49 89 7876-0 / fax +49 89 7876-333.