

UNIMOLY GL 402

Adhesive long-term grease



Your benefits at a glance

- High-performance grease with MoS₂
- Reduces wear
- Good corrosion protection
- Resistant to ageing and oxidation
- Good worked stability

Your requirements - our solution

UNIMOLY GL 402 is an adhesive long-term grease based on mineral oil, lithium soap and MoS₂. Solid lubricants plus EP additives ensure excellent emergency lubricating properties as well as friction reduction and prevention of wear. UNIMOLY GL 402 is especially suitable for the lubrication of rolling and plain bearings subject to high loads at low rotational or sliding speeds.

Application

Lubricating grease for bearings in textile machines, gas preheaters e.g. in coal-fired plants, bearings subject to high temperatures in the

steel industry as well as for small gears in drilling machines etc.

Application notes

UNIMOLY GL 402 can be applied by means of grease gun, brush, spatula or automatic lubrication 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	UNIMOLY GL 402
Bucket 25 kg	+
Drum 180 kg	+

Characteristics	UNIMOLY GL 402
Article number	020149
Composition	molybdenum disulphide
Composition, thickener	lithium soap
Composition, type of oil	mineral oil
Colour space	black
Texture	fibrous , homogeneous
Service temperature, lower limit	-20 °C
Service temperature, upper limit	130 °C
Density, Klüber method: PN 024, 20°C	approx. 0.92 g/cm ³

UNIMOLY GL 402

Adhesive long-term grease



Characteristics	UNIMOLY GL 402
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, lower limit	265 0.1 mm
Worked penetration, DIN ISO 2137 / ASTM D217, 25°C, upper limit	295 0.1 mm
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 100°C	approx. 32 mm ² /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 515 mm ² /s
Dropping point, DIN ISO 2176 / IP 396	≥ 180 °C
Four-ball tester, welding load, DIN 51350-4	≥ 3600 N
Speed factor (n x dm)	approx. 200000 mm/min
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 90 years.

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

The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

Publisher and Copyright: Klüber Lubrication München GmbH & Co. KG. Reprints, total or in part, are permitted only prior consultation with Klüber Lubrication München GmbH & Co. KG and if source is indicated and voucher copy is forwarded.