

ASONIC GHY 72

Synthetic lubricating grease for long-term or lifetime lubrication of rolling bearings



Benefits for your application

- Wide service temperature range
- Long service life
- Synthetic lubricant
- Low noise

Description

The high performance ASONIC GHY 72 is due to its optimised mix of product components: ester oil, polyurea thickener, a special additive package, combined in a special and clean manufacturing environment. This ensures the extraordinary features of ASONIC GHY 72 for use in rolling bearings:

- high purity
- low noise
- long shelf life
- high resistance to water
- good corrosion protection

Application

ASONIC GHY 72 is particularly beneficial for the long-term or lifetime lubrication of parts exposed to a wide service temperature range, e.g. ball bearings in electric motors, fans, air conditioners, automobile generators, computers, CD drives as well as household appliances and office equipment.

Application notes

The lubricant is applied by means of a spatula, brush, grease gun or grease cartridge. For use in automatic lubricating systems, the pumpability of the lubricant should be checked.

Certain polyurea greases solidify during elongated periods of storage. Normally, such increase in consistency does not affect the performance of the lubricating grease and is reversible when the grease is subjected to shearing or working stress.

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	ASONIC GHY 72
Cartridge 400 g	+
Can 1 kg	+

Product data	ASONIC GHY 72
Article number	094049
Chemical composition, thickener	polyurea
Chemical composition, type of oil	ester oil
Lower service temperature	-40 °C / -40 °F
Upper service temperature	180 °C / 356 °F
Colour space	beige
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 72 mm ² /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 9.5 mm ² /s
Speed factor (n x dm)	700 000 mm/min

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Product data	ASONIC GHY 72
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	250 x 0.1 mm
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	280 x 0.1 mm
Low-temperature torque, IP 186, -40 °C, running	<= 100 mNm
Low-temperature torque, IP 186, -40 °C, start	<= 1 000 mNm
Drop point, DIN ISO 2176, IP 396	>= 250 °C
SKF-ROF rolling bearing tester, axial load: 100 N, radial load: 50 N, speed: 10000 min-1, temperature: 170 °C, service life F50:	>= 1 000 h
Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree
Water resistance, DIN 51807 pt. 01, 3 h/90 °C, rating	0 - 90
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	12 months

Behaviour towards elastomers and plastics

The following elastomers were statically tested for resistance to ASONIC GHY 72.

Prior to series application we recommend testing the compatibility of the grease and the pertinent materials. (Our test results were obtained with random samples and cannot substitute your own in-house tests.)

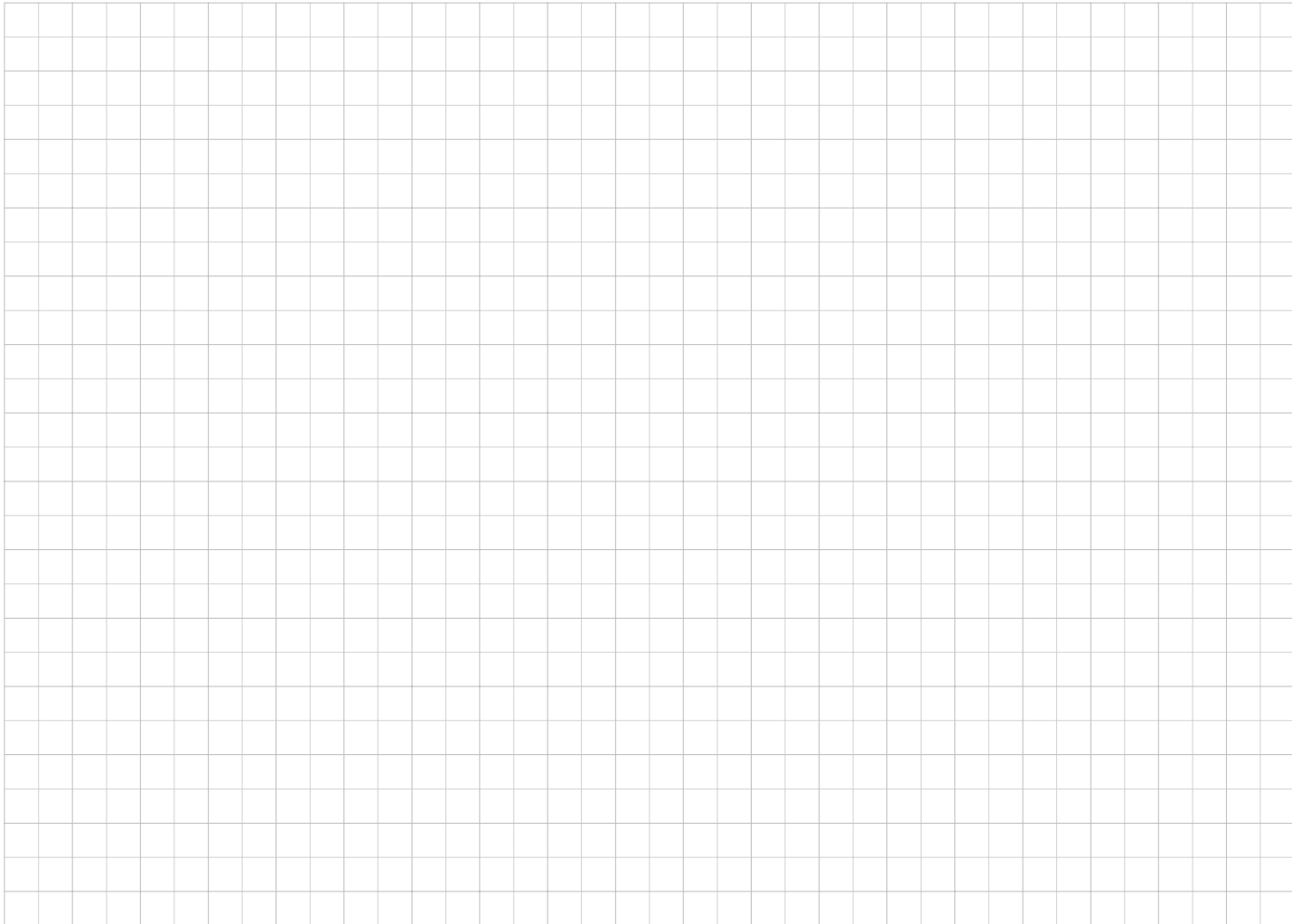
Medium	Material	Time/temp. h / °C	Change in volume (%)	Shore hardness A	Tensile strength (%)	Elongation at break (%)
ASONIC GHY 72	70 ACM 121433	168 / 150	14	- 14	- 15	- 29
ASONIC GHY 72	75 FKM 585	168 / 150	1,7	- 2	- 8	- 35
ASONIC GHY 72	72 NBR 902	168 / 100	12	- 6	16	3
ASONIC GHY 72	81 VMQ 542	168 / 100	4	- 6	- 12	- 14





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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 80 years.

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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.

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