

ASONIC GLY 32

Low-temperature lubricating grease for high-speed, low-noise rolling bearings



Benefits for your application

- Low-temperature rolling bearing grease
- Synthetic lubricant
- Low noise
- High purity
- Low frictional torque

Description

ASONIC GLY 32 is a synthetic low-noise lubricating grease manufactured in a clean environment.

The product components used and the grease's low base-oil viscosity yield a very high speed factor and a low frictional torque, as can be seen from the results of measurements made on the low-temperature test rig.

Application

ASONIC GLY 32 is used, for example, for the long-term or lifetime lubrication of rolling bearings in electric motors in applications where a low starting-up torque at low temperatures is required.

As examples of the multitude of highly specialised applications of ASONIC GLY 32, the following may be mentioned:

- miniature and small bearings in fans, motors and pumps contained in precision equipment household appliances and automobile air conditioners

- integrated bearing units in audio and video equipment, computer peripherals 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.

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 GLY 32
Can 1 kg	+
Bucket 25 kg	+

Product data	ASONIC GLY 32
Article number	004181
Chemical composition, type of oil	synthetic hydrocarbon oil
Chemical composition, type of oil	ester oil
Chemical composition, thickener	lithium soap
Lower service temperature	-50 °C / -58 °F
Upper service temperature	140 °C / 284 °F
Colour space	beige
Worked penetration, DIN ISO 2137, 25 °C, lower limit value	265 x 0.1 mm

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Product data	ASONIC GLY 32
Worked penetration, DIN ISO 2137, 25 °C, upper limit value	295 x 0.1 mm
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 40 °C	approx. 25 mm ² /s
Kinematic viscosity of the base oil, DIN 51562 pt. 01/ASTM D-445/ASTM D 7042, 100 °C	approx. 5 mm ² /s
Speed factor (n x dm)	approx. 1 000 000 mm/min
Testing of lubricating greases on FAG FE9 rolling bearing tester, DIN 51821 pt. 02, speed: 6000 min ⁻¹ , axial load: 1500 N, temperature: 120 °C, service life F50:	>= 100 h
Corrosion inhibiting properties of lubricating greases, DIN 51802, (SKF-EMCOR), test duration: 1 week, distilled water	<= 1 corrosion degree
NLGI grade, DIN 51818	2
Drop point, DIN ISO 2176, IP 396	>= 190 °C
Flow pressure of lubricating greases, DIN 51805-2, test temperature: -50 °C	<= 1 400 mbar
Water resistance, DIN 51807 pt. 01, 3 h/90 °C, rating	1 - 90
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months

Behaviour towards elastomers and plastics

The following elastomers were statically tested for resistance to ASONIC GLY 32.

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 GLY 32	75 FKM 602	168 / 150	3		- 8	- 3
ASONIC GLY 32	83 FKM 575	168 / 150	6		- 10	1
ASONIC GLY 32	72 NBR 902	168 / 100	18	- 9	- 19	- 25
ASONIC GLY 32	72 NBR 902	168 / 130	19	- 10	- 32	- 52





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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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