

ASONIC GLY 32

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



Your benefits at a glance

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

Your requirements - our solution

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.

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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Pack sizes	ASONIC GLY 32
Cartridge 400 g	+
Can 1 kg	+
Bucket 18 kg	+
Bucket 25 kg	+

Characteristics	ASONIC GLY 32
Article number	004181
Composition, thickener	lithium soap
Composition, type of oil	ester oil , synthetic hydrocarbon oil
Colour space	beige
Service temperature, lower limit	-50 °C
Service temperature, upper limit	140 °C
NLGI grade, DIN 51818	2
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. 5 mm ² /s
Kinematic viscosity of the base oil, DIN EN ISO 3104 / DIN 51562-1 / ASTM D445 / ASTM D7042, 40°C	approx. 25 mm ² /s
SKF-EMCOR, DIN 51802, Klüber method: distilled water, 168 h	≤ 1 corrosion degree
Flow pressure, DIN 51805-2, -50°C	≤ 1400 mbar
Dropping point, DIN ISO 2176 / IP 396	≥ 190 °C
FAG FE9 rolling bearing test, DIN 51821-2, 1500 / 6000-120, service life F50	≥ 100 h
Speed factor (n x dm)	approx. 1000000 mm/min
Water resistance, DIN 51807-1, 3 h, 90°C	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

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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 90 years.

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