

LUKOIL SYNTHOFLEX 2-100

Synthetic Lithium Grease

DESCRIPTION

LUKOIL® SYNTHOFLEX 2-100 is an antifriction grease used in high-speed friction units such as electric motor bearings, generator bearings where low coefficient of friction and long-term service life without re-lubrication are required.

LUKOIL® SYNTHOFLEX 2-100 is based on high-quality synthetic base oil blend thickened with specialty lithium soap and special additive package. The grease is dynamically light and shows high tribological features. It can operate within a very wide temperature range from -50 up to +180°C.

LUKOIL® SYNTHOFLEX 2-100 grease can be used as all-season for-life lubricant.



ADVANTAGES:

- Excellent low-temperature properties
- Wide temperature range
- Long-term service life
- Excellent high-speed features
- Good anti-wear properties
- Good anti-oxidation properties
- Compatible with lithium mineral greases

COMPOSITION:

- Synthetic (PAO) oil
- Specialty lithium soap
- Complex additive package

APPLICATION:

- Rolling and sliding bearings
- Ball-screw pairs
- Linear bearings
- Needle bearings

APPLICATION EXAMPLES:

- Bearings of electric motors, fans, generators
- Bearings of the heavy payload dumper truck traction electric motors
- Hinged mechanisms, harmonic cam movement, crank mechanisms at extremely low temperatures
- Rust-preventing lubrication

LUKOIL SYNTHOFLEX 2-100. Edition 07/19 replaces edition 04/18

This product is manufactured according to STO 65561488-063-2016

LUKOIL® SYNTHOFLEX 2-100

TYPICAL PROPERTIES

Standard*	Property	Unit	2-100
DIN 51502	Marking according to DIN 51502		KHC2R-50
	Color, appearance	Beige	
	Service temperature range	°C	-50 to +180
DIN 51818	NLGI consistency class		2
ISO 2137	Worked penetration (mixed, 60 double strokes)	mm/10	265-295
DIN 51562	Base oil viscosity at 40°C	mm²/s	100
ISO 2176	Drop point	°C	280
ASTM D2596	Weld load (4-ball machine test) at 25°C	N	2930
ASTM D2266	Wear scar (4-ball machine test)	mm	0.5
	Speed factor	mm*rpm	500000
DIN 51807 b	Water washout from the bearing	%	6

*DIN: Deutsche Industrie Norm.

ISO: International Standardization Organization.

ASTM: American Society for Testing and Materials.

HOW TO USE

This grease can be applied manually with brush or spatula or with supercharger through press-oiler.

USABLE LIFE AND STORAGE

When stored in the original unopened containers in a dry place, this product has a shelf life of at least 36 months from the date of production.

HANDLING PRECAUTIONS

This product doesn't contain any toxic ingredients. During storage, transportation, and application of this product, the safety rules for handling mineral lubricating materials and the environment protection regulations must be observed.

For further information on how to use LUKOIL® products, please refer to the product MSDS.

TECHNICAL SUPPORT

For correct selection of the proper lubricating materials to meet your needs, and to get more detailed information on the products, as well as if you have any other questions, we recommend you to contact our technical support service specialists by e-mail: grease.support@lukoil.com

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Product technical properties are typical and can vary in strong limits.

Due to research and development of science and technology technical properties of product indicated in this Technical Data Sheet can be changed without notification.