

LUKOIL SYNTHOFLEX 2-100

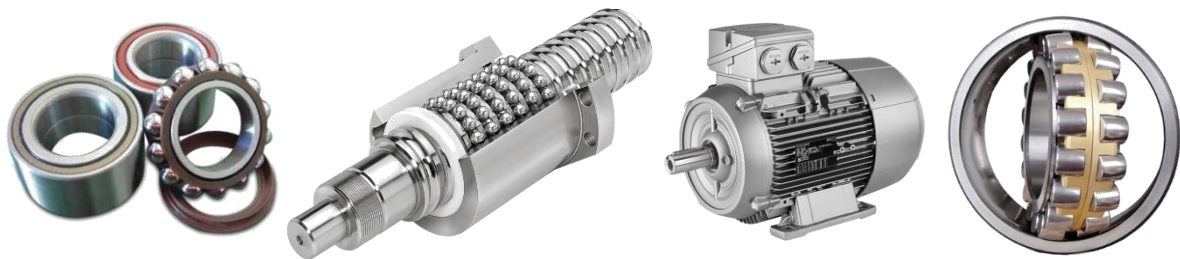
Synthetic complex lithium grease

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 complex 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 $-50\text{ }^{\circ}\text{C}$ up to $+180\text{ }^{\circ}\text{C}$.

LUKOIL® SYNTHOFLEX 2-100 can be used as all-season grease for lifetime lubrication.



<p>ADVANTAGES:</p> <ul style="list-style-type: none"> • Long-term service life • Perfect high-speed features • Excellent low-temperature properties • Good anti-wear properties • High level of anti-oxidation properties • Miscibility with lithium mineral greases 	<p>COMPOSITION:</p> <ul style="list-style-type: none"> • Synthetic (PAO) oil blend • Complex lithium soap • Special additive package
<p>APPLICATION IN UNITS:</p> <ul style="list-style-type: none"> • Rolling and sliding bearings • Ball-screw pairs • Linear ball bearings • Needle bearings 	<p>APPLICATION EXAMPLES:</p> <ul style="list-style-type: none"> • 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

LUKOIL® SYNTHOFLEX 2-100. Edition 12/21 replaces edition 07/19

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

LUKOIL® SYNTHOFLEX 2-100 TYPICAL PROPERTIES

Standard	Property	Unit	Value
DIN 51502	Marking according to DIN 51502		KHC2R-50
ISO 6743-9	Marking according ISO 6743		L-XEFEA 2
	Color		Beige
	Service temperature range	°C	-50 to +180
DIN 51818	NLGI grade		2
ISO 2137	Worked penetration (60 strokes)	mm/10	265–295
DIN 51562	Base oil viscosity @ 40 °C	mm ² /s	100
ISO 2176	Dropping point	°C	>260
ASTM D2596	Four Ball Weld Load @ 25 °C	N kg	2930 299
ASTM D2266	Four Ball Wear Scar Diameter	mm	0.5
DIN 51807 b	Water washout	%	<6

HOW TO USE

This grease can be applied manually with a brush or spatula, as well as through centralized lubrication system.

USABLE LIFE AND STORAGE

The guaranteed shelf life is 36 months from the date of manufacture in the manufacturer's container, subject to the conditions of transportation and storage.

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.