

LUKOIL SYNTHOFLEX ARCTIC 1-100 HD

All-Season Synthetic Complex Lithium Grease with Molybdenum Disulfide

DESCRIPTION

LUKOIL® SYNTHOFLEX ARCTIC 1-100 HD grease is all-season antifriction grease based on high-quality synthetic oil thickened with complex lithium soap. Due to unique combination and of extreme pressure additives and molybdenum disulfide, this grease perfectly suits for lubrication of all sliding and rolling friction units subject to high shock loads.

LUKOIL® SYNTHOFLEX ARCTIC 1-100 HD grease has high tribological features. The unique combination of synthetic base oil and thickener provides pumpability at -50°C.

LUKOIL® SYNTHOFLEX ARCTIC 1-100 HD grease enables extension of re-lubrication intervals. Can be used as all-season lubricant.

LUKOIL® SYNTHOFLEX ARCTIC 1-100 HD grease operates in boundary friction mode and under shock load conditions.



ADVANTAGES:

- Excellent low-temperature properties
- Excellent pumping ability at down to -50°C
- Excellent mechanical stability
- Excellent tribological features within a wide temperature range
- Excellent extreme pressure properties
- High anti-corrosion properties

COMPOSITION:

- High-quality synthetic oil
- Complex lithium soap
- Special additive package
- Molybdenum disulfide

APPLICABLE IN UNITS:

- Rolling and sliding bearings
- Centralized and individual lubrication systems
- Gear drives

APPLICATIONS:

- Rolling and sliding bearings of the excavators, front-end loaders, push-type scrapers operating at extremely low temperatures, can be used as all-season lubricant.
- Swivels, pivots, pins, axes, and crossbars of the quarry machinery
- Gear rim of the excavator support-rotary device

LUKOIL SYNTHOFLEX ARCTIC 1-100 HD. Edition 04/18 replaces edition 01/18

This product is manufactured according to STO 65561488-084-2016

LUKOIL® SYNTHOFLEX ARCTIC 1-100 HD

TYPICAL PROPERTIES

Standard*	Property	Unit	SYNTOFLEX ARCTIC 1-100 HD
DIN 51502	Marking according to DIN 51502		KFHC1K-50
	Color, appearance		Grey to black
	Service temperature range	°C	-50 to +120
DIN 51818	NLGI consistency class		1
ISO 2137	Worked penetration (mixed, 60 double strokes)	mm/10	310-340
DIN 51562	Base oil viscosity at 40°C	mm ² /s	100
DIN 51562	Base oil viscosity at 100°C	mm ² /s	11
ISO 2176	Drop point	°C	280
DIN 51805	Flow pressure at -40°C	mBar	<1400
DIN 51350-4	Weld load (4-ball machine test) at 25°C	N	3100
DIN 51350-4	Wear scar (4-ball machine test)	mm	0.5

*DIN: Deutsche Industrie Norm.

ISO: International Standardization Organization.

HOW TO USE

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

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, for 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.