

LUKOIL POLYFLEX ARCTIC 0-35 HD

Low-temperature lithium grease with molybdenum disulfide

DESCRIPTION

LUKOIL® POLYFLEX ARCTIC 0-35 HD is special low-temperature grease based on high-quality low-viscosity base oil blend thickened with specialty lithium soap fortified with package of high performance additives improving anti-wear, adhesive and anti-corrosion properties, and solid lubricants.

LUKOIL® POLYFLEX ARCTIC 0-35 HD has special tribological features and is developed to operate within low temperatures (–50 °C). The grease can operate in boundary friction conditions and under shock loads.



ADVANTAGES:

- Excellent low-temperature features
- Superior pumpability in centralized lubrication systems
- Low coefficient of friction
- Very good mechanical stability
- Good anti-wear properties
- High level of anti-corrosion properties

COMPOSITION:

- Highly purified mineral oil blend
- Specialty lithium soap
- Molybdenum disulfide

APPLICATION IN UNITS:

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

APPLICATION EXAMPLES:

- Rolling and sliding bearings of excavators, front-end loaders, push-type scrapers working in severe climate conditions
- Swivels, pivots, pins, axes and crosses of mining, construction and logging equipment

LUKOIL® POLYFLEX ARCTIC 0-35 HD. Edition 12/21 replaces edition 05/19

This product is manufactured according to STO 65561488-055-2016

LUKOIL® POLYFLEX ARCTIC 0-35 HD TYPICAL PROPERTIES

Standard	Property	Unit	Value
DIN 51502	Marking according to DIN 51502		KPF0E-50
ISO 6743-9	Marking according to ISO 6743-9		L-XEBEA 0
	Color		Grey to black
	Service temperature range	°C	-50 to +80
DIN 51818	NLGI grade		0
ISO 2137	Worked penetration (60 strokes)	mm/10	355-385
DIN 51562	Base oil viscosity @ 40 °C	mm ² /s	35
DIN 51562	Base oil viscosity @ 100 °C	mm ² /s	5.6
ISO 2176	Dropping point	°C	>180
DIN 51817	Oil separation (18 h, @ 40 °C)	%	8
DIN 51805	Flow pressure @ -40 °C	mbar	<900
ASTM D4693	Start torque on rolling bearing @ -50 °C	N·m	49
ASTM D942	Oxidation stability	kPa	<50
ASTM D2596	Four Ball Weld Load @ 25 °C	N kg	3087 315
ASTM D2266	Four Ball Wear Scar Diameter	mm	0.65
DIN 51802	Corrosion protection (SKF-Emcor, distilled water)		0-0
ASTM D4048	Copper corrosion		1a

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.