

LUKOIL POLYFLEX EP 1-160

Multipurpose lithium grease with EP additives

DESCRIPTION

LUKOIL[®] POLYFLEX EP 1-160 is a multipurpose grease, based on high-quality mineral base oil blend thickened with lithium soap and fortified with package of high performance additives improving lubricant efficiency.

LUKOIL[®] POLYFLEX EP 1-160 has good tribological features and can operate within a wide temperature range from –30 °C up to +120 °C, under varying loads, as well as in contact with water and in wet environment conditions.

LUKOIL[®] POLYFLEX EP 1-160 reduces friction and wear, especially on the friction pairs subject to medium and high loads. The grease is formulated to provide good thermal stability and good structure stability during storage and use.



ADVANTAGES:

- Excellent extreme pressure properties
- High level of mechanical stability
- Low coefficient of friction
- Good water resistance
- Very good anti-corrosion properties
- Good pumpability

COMPOSITION:

- Highly purified mineral oil blend
- Specialty lithium soap
- EP, AW, anti-oxidation and anti-corrosion additives

APPLICATION IN UNITS:

- Rolling and sliding bearings
- Guideways
- Centralized lubrication systems
- Friction units made of nonferrous metals
- Some types of gearboxes

APPLICATION EXAMPLES:

- Rolling and sliding bearings of the industrial equipment, automotive and agricultural machinery
- Bearings of the air-blowers and other high-loaded units operating at the ordinary temperatures
- Centralized lubrication systems in the mining and construction machinery where NLGI 1 grade lubricating material with good pumpability is needed

LUKOIL[®] POLYFLEX EP 1-160. Edition 12/21 replaces edition 07/19

This product is manufactured according to STO 65561488-011-2014

LUKOIL® POLYFLEX EP 1-160 TYPICAL PROPERTIES

Standard	Property	Unit	Value
DIN 51502	Marking according to DIN 51502		KP1K-30
ISO 6743-9	Marking according to ISO 6743-9		L-XCCEB 1
	Color, appearance		From light yellow to brown, homogeneous
	Service temperature range	°C	–30 to +120
DIN 51818	NLGI grade		1
ISO 2137	Worked penetration (60 strokes)	mm/10	310–340
DIN 51562	Base oil viscosity @ 40 °C	mm ² /s	160
DIN 51562	Base oil viscosity @ 100 °C	mm ² /s	15
ISO 2176	Dropping point	°C	>200
ASTM D2596	Four Ball Weld Load @ 25 °C	N kg	2764 282
ASTM D2266	Four Ball Wear Scar Diameter	mm	0.5
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 systems.

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.