

# LUKOIL POLYFLEX EP 3-160

Multipurpose lithium grease with EP additives

## DESCRIPTION

LUKOIL® POLYFLEX EP 3-160 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 3-160 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 3-160 reduces friction and wear, especially on the friction pairs subject to high loads. The grease is formulated to provide good thermal stability and good structure stability during storage and use. The grease has excellent performance properties and provides extended service life.



### ADVANTAGES:

- Excellent extreme pressure and anti-wear properties
- Superior mechanical stability
- Low coefficient of friction
- Very good water resistance
- Good anti-corrosion properties

### COMPOSITION:

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

### APPLICATION IN UNITS:

- Rolling and sliding bearings
- Hub bearings
- Electric motor bearings
- Vertically aligned bearings
- Friction units made of nonferrous metals

### APPLICATION EXAMPLES:

- Rolling and sliding bearings of the industrial equipment and mobile machines operating at the ordinary temperatures, high dynamic loads and vibrations
- Friction units of industrial equipment, automotive and agricultural machinery where lubricant with higher performance and sealing effect is required

LUKOIL® POLYFLEX EP 3-160. Edition 12/21 replaces edition 07/19

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

### **LUKOIL® POLYFLEX EP 3-160 TYPICAL PROPERTIES**

Standard	Property	Unit	Value
DIN 51502	Marking according to DIN 51502		KP3K-30
ISO 6743-9	Marking according to ISO 6743-9		L-XCCHB 3
	Color, appearance		From light yellow to brown, homogeneous
	Service temperature range	°C	–30 to +120
DIN 51818	NLGI grade		3
ISO 2137	Worked penetration (60 strokes)	mm/10	220–250
DIN 51562	Base oil viscosity @ 40 °C	mm <sup>2</sup> /s	160
DIN 51562	Base oil viscosity @ 100 °C	mm <sup>2</sup> /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.

### **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](mailto: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.