

# LUKOIL® POLYFLEX EP 2-160

Multipurpose Lithium Grease

## DESCRIPTION

LUKOIL® POLYFLEX EP 2-160 is a multipurpose grease, based on high-quality mineral base oil blend, thickened with lithium soap fortified with package of high-performance additives improving lubricant efficiency.

LUKOIL® POLYFLEX EP 2-160 has good tribological features and can operate within a wide temperature range from -30 up to +120°C, under varying loads, as well as in contact with water and wet environment conditions.

LUKOIL® POLYFLEX EP 2-160 reduces friction and wear, especially on friction elements subject to high loads. The grease is formulated to provide good thermal stability and good structure stability during storage and use.

LUKOIL® POLYFLEX EP 2-160 Grease has soft consistency and smooth structure.



### ADVANTAGES:

- Excellent mechanical stability
- Excellent extreme pressure properties
- Low coefficient of friction
- Good water resistance
- Very good anti-corrosion properties
- Reliable lubrication of the equipment subject to vibration
- Extended service life

### COMPOSITION:

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

### APPLICATION IN UNITS:

- Rolling and sliding bearings
- Hub bearings
- Bearings subject to vibration
- Lubrication of the components made of nonferrous metals

### APPLICATION EXAMPLES:

- Powerful industrial fan bearings
- Widely used on bearings of the industrial equipment, automotive, construction and agricultural machinery operating at normal temperatures.
- Centralized lubrication systems where use of NLGI #2 class lubricants is allowed.

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

## **LUKOIL® POLYFLEX EP 2-160**

### **TYPICAL PROPERTIES**

Standard*	Property	Unit	Value
DIN 51502	Marking according to DIN 51502		KP2K-30
ISO 6743-9	Marking according to ISO 6743-9		L-XCCHB 2
	Color, appearance	Straw, brown, homogeneous	
	Service temperature range	°C	-30 to +120
DIN 51818	NLGI consistency class		2
ISO 2137	Worked penetration (mixed, 60 double strokes)	mm/10	265-295
ISO 2137	Penetration change at 25°C after 10,000 cycles	mm/10	±10
DIN 51562	Base oil viscosity at 40°C	mm <sup>2</sup> /s	160
DIN 51562	Base oil viscosity at 100 °C	mm <sup>2</sup> /s	15
ISO 2176	Drop point	°C	>185
ASTM D2596	Weld load (4-ball machine test) at 25°C	N	2800
ASTM D2266	Wear scar (4-ball machine test)	mm	0.5
DIN 51802	Corrosion degree (rolling bearings, distilled water)		0-0
ASTM D4048	Corrosion degree (rolling bearings, copper strip)		≤1b

\*DIN: Deutsche Industrie Norm

ISO: International Standardization Organization

ASTM: American Society for Testing and Materials.

### **HOW TO USE**

This grease can be applied manually with brush or spatula, as well as through individual lubrication system at the temperatures down to -30°C.

### **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 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)