

# LUKOIL POLYFLEX EP 2-160 HD

Multipurpose lithium grease with molybdenum disulfide

## DESCRIPTION

LUKOIL® POLYFLEX EP 2-160 HD is an antifriction grease based on high-quality mineral base oil blend thickened with specialty lithium soap. The grease is fortified with package of additives improving performance and contains solid lubricants for operation under boundary friction conditions. Service temperature range is from –30 °C up to +120 °C.

LUKOIL® POLYFLEX EP 2-160 HD grease contains specially selected additives in its formula, which provide excellent corrosion protection of lubricated components in wet environment conditions.

LUKOIL® POLYFLEX EP 2-160 HD grease due to solid lubricant content has excellent anti-wear and extreme pressure features, providing smooth movement without jerks, reliable protection of equipment in conditions of specific sliding load and shock load.



<p><b>ADVANTAGES:</b></p> <ul style="list-style-type: none"> <li>• Operates under boundary friction conditions</li> <li>• Prevents sticking and seizure</li> <li>• Excellent extreme pressure properties</li> <li>• Very good anti-corrosion properties</li> <li>• Good water resistance</li> <li>• Prevents jamming and stick-slip effect</li> </ul>	<p><b>COMPOSITION:</b></p> <ul style="list-style-type: none"> <li>• Highly purified mineral oil blend</li> <li>• Specialty lithium soap</li> <li>• EP, AW, anti-oxidation and anti-corrosion additives</li> <li>• Molybdenum disulfide</li> </ul>
<p><b>APPLICATION IN UNITS:</b></p> <ul style="list-style-type: none"> <li>• Heavy-loaded sliding bearings</li> <li>• Splined joints, studs, pivots, axes</li> <li>• Medium-loaded gear drives</li> <li>• Various sliding surfaces operating on low speeds and under high dynamic loads</li> </ul>	<p><b>APPLICATION EXAMPLES:</b></p> <ul style="list-style-type: none"> <li>• Widely used on transport, in industry and agriculture, on mining and construction machinery</li> <li>• Various mechanisms operating under harsh conditions and subject to risk of seizure</li> <li>• Allowed to be used in the individual lubrication systems where use of NLGI 2 grade lubricant with solid lubricants is recommended</li> </ul>

LUKOIL® POLYFLEX EP 2-160 HD. Edition 12/21 replaces edition 10/20

This product is manufactured according to **STO 65561488-029-2015**

### **LUKOIL® POLYFLEX EP 2-160 HD TYPICAL PROPERTIES**

Standard	Property	Unit	Value
DIN 51502	Marking according to DIN 51502		KPF2K-30
ISO 6743-9	Marking according to ISO 6743-9		L-XCCEB 2
	Color		Charcoal grey
	Service temperature range	°C	-30 to +120
DIN 51818	NLGI grade		2
ISO 2137	Worked penetration (60 strokes)	mm/10	265–295
DIN 51562	Base oil viscosity @ 40 °C	mm <sup>2</sup> /s	160
ISO 2176	Dropping point	°C	>200
ASTM D2596	Four Ball Weld Load @ 25 °C	N kg	3920 400
ASTM D2266	Four Ball Wear Scar Diameter	mm	0.5
DIN 51802	Corrosion protection (SKF-Emcors, 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](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.