

# LUKOIL FTORFLEX FG 2-500

High-temperature food grade grease with PTFE

## DESCRIPTION

LUKOIL® FTORFLEX FG 2-500 is a special grease made on the base of synthetic base oil (PFPE), teflon (PTFE), as well as a complex of antioxidant and anticorrosive additives.

LUKOIL FTORFLEX FG 2-500 lubricant has high tribological characteristics, is capable of operating in a wide temperature range (from –30 °C to 300 °C) when exposed to aggressive environment. The composition of the lubricant provides high stability of the structure during storage and operation.

LUKOIL® FTORFLEX FG 2-500 is registered in NSF according to H1 regulations for lubricants with incidental food contact.



Nonfood compounds  
Program listed H1  
Registration № 155322



<p><b>ADVANTAGES:</b></p> <ul style="list-style-type: none"> <li>• Excellent high temperature performance, up to 300 °C</li> <li>• Long service life</li> <li>• Resistance to steam and aggressive environments</li> </ul>	<p><b>COMPOSITION:</b></p> <ul style="list-style-type: none"> <li>• Synthetic base oil (PFPE)</li> <li>• Polytetrafluoroethylene (PTFE)</li> <li>• Package of special additives</li> </ul>
<p><b>APPLICATION IN UNITS:</b></p> <ul style="list-style-type: none"> <li>• Rolling and sliding bearings</li> <li>• Lifting cylinders</li> <li>• Details of machinery and equipment in the food and pharmaceutical industry which require the use of lubricants with food grade H1</li> </ul>	<p><b>APPLICATION EXAMPLES:</b></p> <ul style="list-style-type: none"> <li>• Bearings operating at high temperatures such as waffle ovens</li> <li>• Bearings for glue rollers in labeling machines</li> </ul>

LUKOIL® FTORFLEX FG 2-500. Edition 12/21 replaces edition 08/19

This product is manufactured according to STO 65561488-073-2016

### **LUKOIL® FTORFLEX FG 2-500 TYPICAL PROPERTIES**

Standard	Property	Unit	Value
	Thickener		PTFE
	Base oil		Synthetic – PFPE
	Texture		Smooth
	Colour		White
	NSF registration number		155322
	Service temperature range	°C	–30 to +300
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	500
DIN 51802	Corrosion degree (rolling bearings, distilled water)		0-0
BAM	Oxygen impact (60 °C)	bar	150
ASTM D2596	Four Ball Weld Load	N kg	4900 500
ASTM D1298	Density @ 20 °C	g/cm <sup>3</sup>	1.96

### **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 lubricating materials to meet your needs, for 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.