

# LUKOIL ALUFLEX FG 00, 1, 2-180

Multipurpose food grade grease

## **PRODUCT DESCRIPTION**

LUKOIL ALUFLEX FG 180 - multipurpose grease based on aluminum complex soap, white oil and anti-oxidation and anti-corrosion, extreme pressure and anti-wearing additives, PTFE.

LUKOIL ALUFLEX FG 180 has good tribological characteristics, operates at temperature range from -15 to 120 ° C, in humid conditions and contact with water. The lubricant composition provides high stability structure during storage and exploitation.

LUKOIL ALUFLEX FG 180 is registered on NSF according to H1 regulations for lubricants with incidental food contact.



Nonfood compounds  
Program listed H1  
Registration N° 158499, 158500, 158501



<p><b>ADVANTAGES:</b></p> <ul style="list-style-type: none"> <li>• Chemically inert greases</li> <li>• Good corrosion protection, oxidation stability</li> <li>• Excellent pumpability via centralized lubrication systems</li> </ul>	<p><b>COMPOSITION:</b></p> <ul style="list-style-type: none"> <li>• Medicine white oil</li> <li>• Aluminum complex</li> <li>• Package of special additives</li> <li>• PTFE</li> </ul>
<p><b>APPLICATION IN UNITS:</b></p> <ul style="list-style-type: none"> <li>• Centralized lubrication systems</li> <li>• Bearings operating at medium speeds over a wide temperature range</li> <li>• Details of machinery and equipment in the food and pharmaceutical industries 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>• Cutter knife bearings</li> <li>• Dosing machines</li> <li>• Centralized lubrication system at beverages and filling machines</li> <li>• PET-preform blowing machines</li> </ul>

This product is manufactured according to STO 65561488-071-2016

## **LUKOIL ALUFLEX FG 180**

### **TYPICAL PROPERTIES**

Standart	Property	Unit	Value		
			00-180	1-180	2-180
	Thickener		Al-complex		
	Base oil		Medicine white oil		
	Texture		Smooth		
	Colour		White		
	Temperature range	°C	-15 ... +110	-15 ... +120	-15 ... +120
ASTM D 217	NLGI Grade		00	1	2
ISO 2137	Penetration 60 strokes	mm/10	400-430	310-340	265-295
ASTM D7152	Base oil viscosity at 40 °C	mm <sup>2</sup> /s	180	180	180
IP 396	Dropping point	°C	>200	>210	>230
DIN 51350-5	4-ball wear scar diameter	mm	0,7	0,7	0,7
DIN 51350-4	4-ball weld load	N	2000	2500	3150

### **HOW TO USE**

This grease can be applied manually with brush or spatula, as well as through individual lubrication systems.

### **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. Avoid exposure of the product to temperature above 35°C.

### **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)

LUKOIL ALUFLEX FG 180. Edition 09/18

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.