

LUKOIL ALUFLEX FG 1-40

Low-temperature food grade grease

DESCRIPTION

LUKOIL® ALUFLEX FG 1-40 is a multipurpose grease based on aluminum complex soap, synthetic oils and complex anti-oxidation and anti-corrosion additives.

LUKOIL® ALUFLEX FG 1-40 is a modern high performance product suitable for food industries where grease may have incidental contacts with foodstuff. It is suitable for operating in wide temperature range especially at extremely low temperature, in wet conditions and contact with water. Also can be used at high-speed bearings. Grease formulation provides high structure stability at storage and handling.

LUKOIL® ALUFLEX FG 1-40 is registered in NSF according to H1 regulations for lubricants with incidental food contact.



Nonfood compounds
Program listed H1
Registration № 155323



<p>ADVANTAGES:</p> <ul style="list-style-type: none"> • Good corrosion protection • Excellent low-temperature properties • Very good high speed characteristics 	<p>COMPOSITION:</p> <ul style="list-style-type: none"> • Synthetic base oil • Aluminum complex • Package of special additives
<p>APPLICATION IN UNITS:</p> <ul style="list-style-type: none"> • Rolling and sliding bearings • Details of machinery and equipment in the food and pharmaceutical industry which require the use of lubricants with food grade H1 	<p>APPLICATION EXAMPLES:</p> <ul style="list-style-type: none"> • Bearings in freezers conveyors • Bearings of meat-processing equipment such as cutters and vacuum injectors • Dispensers, feeders for confectionery production • Centralized lubrication systems where use of NLGI 1 grade lubricants is allowed

LUKOIL® ALUFLEX FG 1-40. Edition 12/21 replaces edition 04/18

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

LUKOIL® ALUFLEX FG 1-40 TYPICAL PROPERTIES

Standard	Property	Unit	Value
	Thickener		Al-complex
	Base oil		Syntetic oil
	Texture		Smooth
	Colour		White
	NSF registration number		155323
	Service temperature range	°C	-50 to +120 (briefly up to +140)
ASTM D 217	NLGI grade		1
ISO 2137	Worked penetration (60 strokes)	mm/10	310-340
ASTM D7152	Base oil viscosity @ 40 °C	mm ² /s	42
ASTM D7152	Base oil viscosity @ 100 °C	mm ² /s	7
IP 396	Dropping point	°C	>240
ASTM D2596	Four Ball Weld Load @ 25 °C	N kg	2323 237
DIN 51350-5	Four Ball Wear Scar Diameter	mm	0.85
IP 121	Oil separation 40 °C/168 h	%	<0.2

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 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

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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.