

LITOL-24

Multipurpose grease

DESCRIPTION

LITOL-24 is an anti-friction multipurpose waterproof grease, produced by thickening a mixture of mineral oils with lithium soaps of 12-hydroxystearic acid with the addition of a functional additive package. It is produced at one of the most modern industrial facilities in Russia, using high-quality raw materials.

LITOL-24 is waterproof even in boiling water; it does not strengthen when heated. It has exceptional tensile and shear strength, excellent sealing properties. LITOL-24 grease is intended for use in rolling and sliding bearings of all types, gears, friction units of vehicles, industrial equipment, ship mechanisms and electrical machines operating at temperatures from $-40\text{ }^{\circ}\text{C}$ to $+120\text{ }^{\circ}\text{C}$, with short-term overheating up to $+130\text{ }^{\circ}\text{C}$. It is also possible to use these mechanisms for conservation.

Successfully replaces greases of all types, grease № 158, 1-13, Konstalin, FIOL-2.



<p>ADVANTAGES:</p> <ul style="list-style-type: none"> • Multifunctionality • High colloidal, mechanical and antioxidant stability • Excellent protective and anti-corrosion properties • High water resistance • Does not harden when heated • Excellent sealing properties 	<p>COMPOSITION:</p> <ul style="list-style-type: none"> • A mixture of highly refined mineral oils • Lithium soap 12-hydroxystearic acid • Special package of functional additives
<p>APPLICATION IN UNITS:</p> <ul style="list-style-type: none"> • Rolling and sliding bearings • Gear drives • Splines, pins, pivots, pins, axles 	<p>APPLICATION EXAMPLES:</p> <ul style="list-style-type: none"> • Friction units of industrial equipment, automotive, agricultural, off-road vehicles, logging and construction equipment

LITOL-24. Edition 12/21, replaces all previously published edition

This product is manufactured according to GOST 21150-87

LITOL-24 TYPICAL PROPERTIES

Standard	Property	Unit	Value
	NLGI grade		3
	Color		Light to dark brown
GOST 5346 V	Worked penetration @ 25 °C (60 strokes)	mm/10	220–250
GOST 6793	Dropping point, min	°C	185
GOST 7163	Viscosity:		
	@ –20 °C and an average gradient of deformation rate of 10 s ⁻¹ , max	Pa·s (P)	650 (6500)
	@ 0 °C and an average gradient of deformation rate of 10 s ⁻¹ , max	Pa·s (P)	280 (2800)
	@ 50 °C and an average gradient of deformation rate of 10 s ⁻¹ , max	Pa·s (P)	8 (80)
GOST 7143 B	Ultimate strength @ 20 °C	Pa	500–1000
	Ultimate strength @ 80 °C, min	Pa	200
GOST 7142	Oil separation, max	%	12
GOST 9.080	Corrosion effect on metals: copper		Pass
GOST 6707	Mass fraction of free alkali in terms of NaOH	%	0.1
GOST 2477	Water content, max	%	Absence
GOST 9490	Four Ball Weld Load (P _c), min	N	1410
		kg	141
	Four Ball Non-Seizure Load (P _k), min	N	630
		kg	63
	Four Ball Load Wear Index		28

HOW TO USE

This grease can be applied manually with a brush or spatula.

USABLE LIFE AND STORAGE

The guaranteed shelf life is 60 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

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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.