

LUKOIL PIPEFLEX 111 LT

Thread compound

DESCRIPTION

LUKOIL PIPEFLEX 111 LT is intended to seal all types of threads of casing, tubing, drill pipes and pipelines. Great for high load operations. It is efficient at temperature from -50 to + 200 °C, pressure up to 70 MPa, prevents threads from sticking.

LUKOIL PIPEFLEX 111 LT based on high-quality mineral base oil blend, thickened with lithium soap fortified with package of high-performance additives and solid lubricants: copper, zinc, lead, graphite.

Due to its composition, LUKOIL PIPEFLEX 111 LT has excellent anti-wear and extreme pressure properties, ensures reliable pipe sealing and protects thread connections from H₂S and CO₂, meets or exceeds the listed performance objectives in API RP 5A3/ ISO 13678



<p><u>ADVANTAGES:</u></p> <ul style="list-style-type: none"> • Provides sealing • excellent anti-wear and extreme pressure properties • provides superior protection for long-term storage • Increases thread life • Protects from H₂S и CO₂ 	<p><u>COMPOSITION:</u></p> <ul style="list-style-type: none"> • High-purified mineral oil • Lithium soap • Anti-oxidation and anti-corrosion additives • Copper, zinc, lead, graphite
<p><u>APPLICATION IN UNITS:</u></p> <ul style="list-style-type: none"> • Thread connections 	<p><u>APPLICATION EXAMPLES:</u></p> <ul style="list-style-type: none"> • Casing • Tubing • Drill pipes • Pipelines

LUKOIL PIPEFLEX 111 LT. Edition 07/19 replaces edition 05/19

This product is manufactured according to STO 65561488-066-2016

LUKOIL PIPEFLEX 111 LT TYPICAL PROPERTIES

Standart	Property	Unit	Value
	Color		Dark metallic
	Service temperature range:	°C	-50... +200
DIN 51818	NLGI Grade		1
ASTM D217	Worked Penetration	mm/10	310-340
ISO 13678	Worked Penetration, at -18 °C, not less	mm/10	200
ISO 2176	Dropping point	°C	>138
ISO 13678	Friction Factor		0,83
ISO 13678	Evaporation after 24 hours at 100 °C, not more	%	2,0
ISO 13678	Oil release after 24 hours exposure at 100 °C, not more	%	5,0
ISO 13678	Brushable at	°C	-18
ISO 13678	Spatula application at	°C	-40
ISO 13678	Adhesion after 12 hours of exposure at 66 °C, not more	%	1
ASTM D4048	Copper Corrosion	grade	1a
ISO 13678	Water leaching, weight loss for 2 hours at 66 °C, not more than	%	5
GOST 2477	Mass fraction of water, not more than	%	traces

HOW TO USE

This compound can be applied manually with brush or spatula, mix before use.

USABLE LIFE AND STORAGE

When stored in the original unopened containers in a dry place, this product has a shelf life of at least 60 months from the date of production.

HANDLING PRECAUTIONS

This product does not 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 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 properties of product indicated in this Technical Data Sheet can be changed without notification.