

LUKOIL PIPEFLEX 233 TF

Thread compound

DESCRIPTION

LUKOIL® PIPEFLEX 233 TF is intended to seal rounded and buttress threads of well casing, oil-well tubing, pipeline, as well as drill pipes of any diameter, subjected to repeated make-up when operating at pressures up to 50 MPa. It is efficient at temperature from –50 °C to +200 °C. Metal free.

LUKOIL® PIPEFLEX 233 TF based on high-quality mineral base oil blend, thickened with lithium soap fortified with anti-oxidation and anti-corrosion additives and solid graphite.

Due to its composition, LUKOIL® PIPEFLEX 233 TF has excellent anti-wear and extreme pressure properties, ensures reliable pipe sealing and protects thread connections from H₂S and CO₂.



<p>ADVANTAGES:</p> <ul style="list-style-type: none"> • Provides high extreme pressure, anti-wear and anti-corrosion protection • Protects thread connections during storage and operation • Provides sealing • Increases thread life • Protects from H₂S и CO₂ 	<p>COMPOSITION:</p> <ul style="list-style-type: none"> • High-purified mineral oil blend • Lithium soap • Additives package • Graphite
<p>APPLICATION IN UNITS:</p> <ul style="list-style-type: none"> • Thread connections 	<p>APPLICATION EXAMPLES:</p> <ul style="list-style-type: none"> • Well casing • Oil-well tubing • Drill pipes

LUKOIL PIPEFLEX 233 TF. Edition 12/21 replaces edition 07/19

This product is manufactured according to STO 65561488-064-2016

LUKOIL® PIPEFLEX 233 TF TYPICAL PROPERTIES

Standard	Property	Unit	Value
	Color		Dark metallic
	Service temperature range	°C	-50... +200
DIN 51818	NLGI grade		1
ASTM D217	Worked penetration	mm/10	330-360
ISO 13678	Worked penetration @ -18 °C, not less	mm/10	200
ISO 2176	Dropping point, not less	°C	138
ISO 13678	Evaporation (24 h, @ 100 °C), not more	%	2.0
ISO 13678	Oil separation (24 h, @ 100 °C), not more	%	5.0
ISO 13678	Brush application @ -18 °C		Possible
ISO 13678	Spatula application @ -40 °C		Possible
ISO 13678	Adhesion after 12 h of exposure @ 66 °C, not more	%	1
ASTM D4048	Copper corrosion		1a
ISO 13678	Water leaching, weight loss for 2 h @ 66 °C, not more	%	5

HOW TO USE

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

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

In accordance with GOST 12.1.007, this product belongs to the 3rd hazard class, i.e. moderately hazardous materials. 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.