

LITOL-24

Multipurpose grease

Complies with the requirements of FIAT-VAZ 55588, AUTOVAZ OJSC

PRODUCT DESCRIPTION

Litol-24 is antifriction multipurpose water-resistant grease. **Litol-24** is water-resistant even in boiling water and does not harden when heated. It has exceptionally high tensile strength and shear strength characteristics, as well as excellent sealing properties.

The **Litol-24** grease is obtained by thickening a hydrocarbon oil mixture with lithium soaps of 12-hydroxy-stearic acid and adding a functional package of additives. It is produced from high-quality raw materials at a new and one of the most up-to-date production facilities in the CIS.

APPLICATION

The **Litol-24** grease is intended for use in all types of sliding and friction bearings, gears and other types of transmission, friction joints of vehicles, industrial equipment, seaborne machinery and electrical machines operating at temperatures ranging from minus 40 °C to plus 120 °C with short-term overheating up to 130 °C. It is possible to use the grease for rust-preventive treatment of the abovementioned units. It is an effective substitute for all kinds of grease lubricants, grease No. 158, 1-13, constaline and FIOL-2.

BENEFITS

- The multifunctionality of the grease means that fewer types of greases need to be used with lower storage costs;
- Due to the high colloidal, mechanical and oxidation stability of the grease, it can be used continuously without replacement;
- The protective and anticorrosion properties of the grease ensure reliable protection of surfaces from rust and corrosion;
- The grease is effective in preventing all main types of wear;
- The grease has high water-resistant characteristics and does not lose its properties even when in contact with boiling water;
- The grease does not harden when heated;
- The grease has exceptionally high tensile strength and shear strength, as well as excellent sealing properties;
- Due to the wide range of operating temperatures (from minus 40 °C to plus 120 °C), it can be used all year round in different climates.

The product is manufactured as per GOST 21150-87

STANDARD CHARACTERISTICS

PROPERTY	LITOL-24
NLGI class	3
Type of thickener	Li
Color	Light yellow to brown
Melting point, °C	185
Penetration at 25 °C with mixing, 0.1 mm	220–260
Viscosity, Pa·s (P):	
• At minus 20 °C and average gradient of strain rate 10 s ⁻¹ , max	650 (6500)
• At 0 °C and average gradient of strain rate 10 s ⁻¹ , max	280 (2800)
• At 50 °C and average gradient of strain rate 100 s ⁻¹ , min	8 (80)
Tensile strength, Pa:	
• At 20 °C	500–1000
• At 80 °C, min.	200
Colloidal stability, % of separated oil, max.	12
Corrosive action on metal	Resistant

Evaporation at 120 °C, %, max.	6
Free alkali mass content equivalent to NaOH, %, max.	0.1
Water content	None
Mass content of mechanical admixtures, %	0.05
Greasing properties on the four-ball machine at a temperature of (20±5)°C:	
• Load wear index (LWI), N (kgf)	28
• Weld point (Pw), N (kgf)	1410 (141)
• Critical load (Pc), N(kgf)	630 (63)
Swelling of grade 26-44 rubber, %	
• Volumetric change	±8
• Hardness change	±8

The standard product characteristics are average values and do not constitute the manufacturer's specification. They can be subject to change in accordance with the requirements of INTESMO, LLC. Please contact the technical support team for any question related to the application and replacement of grease products manufactured by INTESMO, LLC.