

LITHOL-24

Antifriction multipurpose water-resistant grease based on mineral oil, lithium soap and highly effective additive package. It is used in rolling and sliding bearings of all types, hinges, gears, on the friction surfaces of wheeled and tracked vehicles; in industrial mechanisms, electrical machines etc. Operating temperatures range is from -40°C to +120°C, with short term increase up to +130°C.

Advantages

- It has high colloidal, chemical and mechanical stability.
- Withstands water exposure well.
- Maintains consistency and lubricity at high and low temperatures.
- Provides excellent protection of lubrication parts, even when used in highly worn friction pairs.
- It holds firmly on lubricated surfaces.
- Prevents development of all main types of wear.

Typical physical and chemical characteristics

Parameters	Method	Lithol-24
Operating temperatures range, °C		From -40 to +120, short term +130
Penetration, worked 60 stokes, 10 ⁻¹ mm	GOST 5346 (Method B)	220-250
Color	Visual	From light-yellow to brown
Structure	Visual	Homogenous
Thickener type		Lithium soap
Base oil		Mineral
Dropping Point, °C	GOST 6793	>185
Shear strength, Pa • @ 20°C • @ 80°C	GOST 7143 (Method B)	719 200
Colloidal stability, % of selected oil	GOST 7142	11
4-Ball Weld Load, N	GOST 9490	1470
4-Ball Scuffing Index, N		274
4-Ball Critical Load, N		696
Water content	GOST 2477	Absence
Corrosion effect on metals	GOST 9.080	Withstands
Mass fraction of mechanical impurities, %	GOST 6479	<0.03
Effective viscosity, Pa*s • @ - 20°C, strain rate gradient 10 sec⁻¹ • @ 0°C, strain rate gradient 10 sec⁻¹ • @ 50°C, strain rate gradient 100 sec⁻¹	GOST 7163	<650 <280 >8
Volatility @ 120°C, %	GOST 9566	< 6
Mass fraction of free base, NaOH, %	GOST 6707	< 0,1
Resistance of rubber grade 26-44 to grease effect, % • Volume change • Hardness change	GOST 9.030	+/-8 +/-8

The company's management system is certified in accordance with the international standards

ISO 9001



ISO 14001



ISO 45001

