

MULTI-PURPOSE GREASES

LIGREASE EP -00, -0

TS U 23.2-36451680-127:2011

NLGI 00; 0

Composition

A mixture of petroleum oils, thickened with lithium soap, contains functional active additives that improve the protective, antioxidant, adhesion properties of grease, and also an EP additive.

Sphere of application

Ligrease EP grease series is intended for lubrication of differently shaped friction units of industrial equipment (rolling and sliding bearings, gears, etc.) and transport mechanisms, which operate under the high loads.

Ligrease EP 00 series is intended for lubrication of closed gears and chain drives, bearings in gearboxes with insufficient sealing.

Ligrease EP 0 series is designed for lubrication of heavy duty gearboxes and toothed gears, in centralized lubrication systems of transport vehicles and industrial equipment.

Operating temperature: from **minus 30** to **120 °C**.

Main performance characteristics

- good lubricating properties;
- good pumpability;
- excellent anticorrosive properties;
- reliable performance at low temperatures;
- good adhesion to metal surfaces;
- good antiwear properties.

Physical and chemical properties

Index name	Ligrease EP		Test methods	
Classification match	NLGI	00	0	
51502	DIN	K00G-30	K0G-30	
Thickener	Li + EP			ASTM
Operating temperature, °C	-30°C ... 120			
1. Appearance	Smooth homogenous green ointment*		DSTU 38.001	
2. Penetration at 25°C with stirring (60 double cycles), $m \times 10^{-4}$, within	380-430	340-380	GOST 5346	D217
3. Dropping point, °C, no less than	150	165	GOST 6793	D566
4. Colloid stability, % of selected oil, no more than	35**	30	GOST 7142	D1742
5. Mass fraction of free alkali in equivalent of NaOH, %, no more than	0,2		GOST 6707	D664
6. Mass fraction of free acid (in conversion to oleic), %, no more than	2,0		GOST 6707	D1831
7. Corrosive effect on metals	Withstands		GOST 9.080	D4048
8. Mass fraction of water, %, no more than	Traces		GOST 2477	D95
9. Lubricating properties at the four-ball friction machine, n/m: •welding load, (Rs), N(kGs), n/m	2607		GOST 9490	D2596/D 2566

* Light to dark brown color is permitted in coordination with the customer

** under the load of 200g

Guaranteed shelf life: 3 years from manufacture date.