

ANTIFRICTIONAL GREASE

Agrinol Solidol

TS U 30802090.001-2000

NLGI 0; 1; 2/3; 3

Composition

A mixture of medium-viscosity petroleum oils, thickened with hydrated calcium soap of fatty acids of natural (vegetable and animal) fats. Contains water, which serves as a structure stabilizer.

Sphere of application

Coars nodes of rolling friction and sliding machinery for transport vehicles, agricultural machinery, hand tools, screw and chain drives, low-speed gear reducers, etc.

Main performance characteristics

- Has good lubricity and reduces wearout of bearings;
- similar to synthetic solidols;
- has improved viscosity and temperature properties;
- less solidification when stored.

Features

Efficient at the environmental temperature of **(-30)...****(+65)** °C, at powerful mechanisms (bearings, hinges, etc.) – from **(-50)** °C. Filling of friction nodes with manual grease pumps at the temperature up to **(-20)** °C.

Physical and chemical properties

Index name	Agrinol Solidol				Test methods
	G-0	G-1	G-2	G-3	
Classifications match NLGI DIN 51502	0 G0C-25	1 K1C-25	2/3 K 2/3 C-25	3 K3C-25	
Base	Mineral oil				
Thickener	Ca				
Operating temperature, min...max, °C	- 25 ... +65				
Appearance	Homogenous ointment with a smooth texture from light yellow to dark brown color.				DSTU 38.001
Dropping point, °C, no less than	90	90	93	95	GOST 6793
Penetration at 25°C, mm·10 ⁻¹	340–385	295–350	230–300	200–245	GOST 5346
Shear strength at 50°C, Pa, no less than	100	120	150	200	GOST 7143
Effective viscosity at 0°C and the average gradient of the strain rate 10 s ⁻¹ , Pa·s, no more than	230	260	330	370	GOST 7163
Colloid stability, % of selected oil, no more than	13	12	11	10	GOST 7142

Guaranteed shelf life: 3 years from the date of manufacture.