

GREASE for WOODWORKING and TIMBER INDUSTRY



PELLETON EP-1, -2 SPECIFICATION

NLGI 1; 2

Composition

Mixture of petroleum oil, thickened with complex calcium soaps of fatty acids. Contains anti-oxidant, anti-wear and extreme pressure additives.

Sphere of application

PELLETON EP - water-resistant high-temperature grease. Specially designed for use in a wide range of temperatures and high load in bearing pellet presses in joints and mechanisms of industrial, metallurgical, mining and extraction equipment, ceramic production, tunnel furnaces, hot conveyors; auto tractor, agricultural and road machinery.

Operable in the temperature range from **minus 25 °C** up to **+150 °C**,

at centralized system up to **+180 °C**.

Mark **PELLETON EP 2 (NLGI 2)** for mortgages lubrication method.

Mark **PELLETON EP 1 (NLGI 1)** for centralized lubrication systems.

Main performance characteristics

- good pumpability;
- excellent anti-corrosion properties;
- high thermal, mechanical and oxidation stability;
- high extreme pressure and anti-wear properties.
- does not contain lead and other heavy metals that can harm human health and the environment.

Physical and chemical properties

INDEX NAME	PELLETON EP	PELLETON EP	
Match classification NLGI ISO 6743-9 DIN 51502	1 L-XBDHB 1 KP1N-25	2 L-XBDHB 2 KP2N-25	Test method
Thickener	k-Ca		
Application temperature, °C	-25 ... 150(180)		
1. Appearance	Homogeneous smooth ointment from light yellow to brown color		GSTU 38.001
2. Penetration at 25 °C with stirring (60 double strokes) ·m·10 ⁻⁴	310-340	265-295	GOST 5346 Method C ASTM D 217
3. Dropping Point, ° C, not lower than	250		GOST 6793 ASTM D 2265
4. Colloid stability,% separated oil, no more than	12	9	GOST 7142
5. Volatility,% , not more	3*		GOST 9566
6. Shear strength, Pa: - at 50°C - at 80°C	100-600 80-600	Not less than 200 Not less than 200	GOST 7143 Method B
7. Effective viscosity at 0 °C and average gradient of the strain rate of 10 s ⁻¹ Pa·s, no more than	110	160	GOST 7163
8. Water resistance grade, not less than	1B		p. 7.3.14 TS
9. Four-lubricating properties of friction machine at (20 ± 5) ° C, N, not less than: • Welding load; • critical load; • scuff index	6174 1098 684		GOST 9490 ASTM D 2596
10. Mass fraction of water ,%, no more than	0,1		GOST 2477 ASTM D 95
11. Mass fraction ,%, no more than - of free alkali calculated as NaOH - of free organic acid, mg KOH - of mechanical impurities insoluble in hydrochloric acid	0,2 0,6 0,1		GOST 6707 GOST 6707 GOST 6479
12. Resistance against oxidation, mg KOH / g, not more than	3		GOST 5734
13. Corrosive effect on metals	Pass		GOST 9.080 ASTM D 4048

* Indexes are guaranteed by the manufacturer and are determined by the customer's request, but not less than once every three months.

Shelf life: 3 years from the manufacturing date.