



Plastic Lubricants EKOLUBE G-0 Plus, G-00 Plus (product information)

1. **The plastic lubricant Ekolube G-0 Plus** is a special lubricant of very soft paste – like consistence, black colour, without mechanical impurities, resistant to water and high pressures. Consistency of the version G-00 Plus is modified to the class 00.
2. **Ekolube G-0 Plus** is made of deparaffinized oils of higher viscosity, complex aluminium soap is used as thickener. The lubricant contains adhesion improvers, lubricating power additives, oxidation and corrosion inhibitors, high-pressure additives. The crystalline graphite, serving as the solid lubricants in case of extreme pressures, impacts and emergency operating conditions, is used as filler. Ekolube G-00 Plus is modified to semi liquid consistency by low-congealable oil.
3. **Application:** Ekolube G-0 Plus is specified for spray lubrication of large open gears in cement, metallurgical and mining industries. Ekolube G-00 Plus is applicable for certain types of closed gearboxes with spur gearing for extreme dynamic loads, lift shoes and ropes.
4. **Neither EKOLUBE G-0 Plus nor EKOLUBE G-00 Plus** contain bitumen, heavy metals, chlorine, solvents or other dangerous substances.
5. **Technical information concerning possible hazards for human health:** The plastic lubricant Ekolube G-0 Plus and G-00 Plus can irritate skin and may lead to different skin diseases in the persons susceptible to oils, if used frequently. The lubricant is classified as II.B (degree of biological skin affection) in compliance with the guideline „Health Protection When Working with Oil Products“. When working or handling the product, the safety and health protection instructions and the guideline above have to be adhered to – see the Safety Technical Specification.
6. **Storage:** The minimum shelf life is approx. 24 months if the product is stored in the original closed package in dry and dark place at the room temperature.

7. Fire-Fighting Measures:	G-0 Plus	G-00 Plus
Ignition temperature of base oil	240 - 260°C	240 - 260°C
Auto flammability temperature (base oil)	400 - 420°C	400 - 420°C
Boiling temperature min. (base oil)	320°C	320°C
Density at 20°C, g/cm ³ approx. DIN 510757	0,96	0,96

It is a flammable substance when initiated - suitable extinguishing media: air-mechanical foam, chemical foam, dry powder.

8. **Technical Specification:**

Colour	black	black
Class NLGI DIN 51 818	0	00
Penetration at 25°C (10 ⁻¹ mm)	380/360	430/400
Permitted temperature range	-15 °C up to +100°C	-25 °C up to +100 °C
Usable in automatic lubrication systems under low temperatures	from about 0 °C	from about -15 °C
Drop point, min, DIN ISO 2176	210 °C	180 °C
Express corrosion test (70°C/5 hours)		
Steel 11342 according to ČSN 411342	satisfies	satisfies
Copper according to ČSN 656075	satisfies	satisfies
Base oil (mm ² /s/40°C)	680	680/68
Soap base	al-complex	al-complex
Mechanical impurities (% mass)	0	0
Solid lubricant	special graphite 10%	special graphite 8%
FBT (N) DIN 51350 welding force	5000/5500	not applicable
One hour test 800 N, 1500 rpm (mm)	0,973	not applicable
Scuff (g)	0,0008	not applicable

Classification: ISO 6743-9 L-X-BCEB-0, DIN 51 502 OGPF 0 G-15

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