

Technical Information

HIWIN PLO 05

Plastic Lubricant HIWIN PLO 05

It is a special lubricant of soft up to medium consistency, light yellow colour, free of mechanical impurities, resistant to water and high pressures, great at emergency characteristics and long service life.

The plastic lubricant **HIWIN PLO 05** is made on the basis of highly refined mineral oil. Short-fibre special lithium soap is used as a strengthening element. The lubricant contains high-pressure additives for water and rust resistance and additives causing significant improvement of emergency and sliding characteristics PTFE-Teflon®. Temperature range of usability -30°C up to +130°C with additional lubrication or +140°C on short term basis.

Use: **HIWIN PLO 05** is used mainly for lubrication of roller-bearing of linear leads and ball screws, anti-friction bearings and friction bearings, mainly in case of high dynamic loads and increased pressures. It is suitable for lubrication of bearings of medium and large diameters, plugs, joints /including homo kinetic ones/ and splined shafts, it is highly resistant to water. It does not affect plastics.

Health and technical information: The plastic lubricant **HIWIN PLO 05** may irritate skin, it may cause various skin diseases in case of frequent contact at persons sensitive to petrol oils. In case of any work or product handling do follow the health protection and safety instructions.

Characteristics:

- protection against high pressures and impacts
- very good resistance towards wear and tear under general conditions of operation
- low friction coefficient
- high oxidation stability
- long service life
- resistance to water
- resistance to rust
- low separability of the oil
- emergency characteristics in case of insufficient lubrication

Note: It is a flammable substance in initiation – suitable extinguishers: air-mechanic foam, chemical foam, powder extinguisher.



Technical data:

Name	HIWIN PLO 05
Colour	Light yellow
Temperature range of use / short-term	-30 °C up to +130°C/ +140 °C
Drop point (°C)	200 °C
Solid lubricant	PTFE-Teflon®
Oil separability 100 °C/24 hours % vol. max.	5
Roll-Stability Test (ASTM D 1831-64): increased penetration in % max.	10
Corrosiveness test (SKF Emscor Test) DIN 51 802	negative
Water resistance (DIN 51807/1)	0-90
Bearing volubility -30 °C, time of revolution (s) max.	15
Revolution factor (n.ds)	400 000

Package: cartridge 400 g, 1 kg box

Teflon® is a protected trademark of the PTFE product by Du Pont.