

TECHINICAL DATA SHEET



PROVIDING QUALITY PRODUCTS SINCE 1965

PGM INDUSTRIAL GREASE (1 – 3)

Industrial Greases are multi-purpose Greases of the highest quality. They are made from lithium soap and well-refined mineral oil and incorporate powerful anti-oxidant and anti-corrosion additives. They combine all the properties most often required in Grease and are suitable to virtually all industrial Grease lubrication requirements, particularly in anti-friction bearings.

➤ **RESISTANCE TO OXIDATION**

Industrial Greases have exceptional resistance to oxidation. In part this is due to the high quality of the basic materials that go into them and to the method employed for their manufacture. In addition they contain special oxidation Inhibitors which give them, under both static and dynamic conditions, stability towards oxidation which in fact exceeds that of any ordinary industrial grease. Thus they resist drying out and stiffening not only during prolonged storage but also in prolonged service.

➤ **MECHANICAL STABILITY**

Many Greases break down or even liquefy when subjected to severe mechanical working, under such conditions Industrial Greases retain their original consistency and resist running out even after long periods of services.

➤ **CORROSION PROTECTION**

Industrial Greases are markedly superior to conventional greases in the degree of protection they afford against corrosion. This property – reinforced by a special additive - is so effective that the greases will prevent corrosion in a bearing even when large quantities of water are present.

➤ **RESISTANCE TO WATER**

Industrial Greases combine resistance to water equal to that of calcium and aluminum soap greases with an extremely high melting point (dropping point), minimum 180°C.

➤ **TEMPERATURE RANGE**

Industrial Greases are reversible greases: even if high operating temperatures cause them to melt, they will, on cooling, retain their grease characteristics and excellent lubricating properties. At low temperatures they do not become too stiff to be easily pumped in dispensing equipment.

TYPICAL QUALITY CONTROL TESTS

NLGI NO.	3
Appearance	Homogeneous, Light Brown
Texture	Smooth
Soap Base, Type	Lithium Soap
Penetration, (ASTM D 217) Worked, 60 Strokes	220 – 250
Dropping Point, (ASTM D 566) In °C	180 min
Copper Corrosion, (ASTM 4048) 24h at 100°C	1b
Rust test (ASTM D 1743)	Pass
Oil Separation, mass in %w ,18 hrs at 40°C (IP 121)	2 max
Water washout in % at 38°C (ASTM D 1264)	15 max
Leakage tendencies In g Deposit on Bearing Surface (ASTM D 1263) 6hrs @ 105°C	5 max
Oxidation Stability (psi) @ 100°C for 100 hrs (ASTM D 942)	5 psi
Shell roll (0.1mm) at 18hrs @65°C (ASTM D 1831)	100 max

NOTE: The test data shown in this table are recent average values and are subject to usual tolerances.