

# PRODUCT DATA SHEET



## LITHIUM SOAP GREASES WITH MoS<sub>2</sub> PAL LIMOX

This grease is multipurpose lithium base grease, compounded with extreme pressure (EP) additives as well as finely dispersed molybdenum disulphide (MoS<sub>2</sub>), which is very effective solid lubricant with extremely good anti-scuffing characteristics. This grease is also fortified with corrosion and oxidation inhibitors and additives that provide good film strength under medium-to-high loads.

PAL LIMOX grease provide good protection to contacting surfaces against rust, corrosion and wear as well as resistance to water wash-out. This grease also has an application in sliding motions where the prevention of scuffing is desirable and may be used in dry or moist conditions. This grease also possess good mechanical stability, load carrying properties, resistance to shock loads and overcomes boundary lubrication conditions, thus enhancing component life and increasing re-lubrication intervals.

**Recommended** for lubrication of heavily loaded slow/medium speed bearings of all types and is particularly useful in preventing bearing damage caused by excessive vibration or shock loads. When exposed to extreme operating conditions, particularly where contacting surfaces are exposed to very heavy pressure and shock loads and for continuous service up to 130°C this grease helps prevent the depletion of normal grease lubrication by a residual coating on the metal surface with molybdenum disulphide to give 'dry' or 'solid' lubrication.

It is **not recommended** for use in small, high speed ball and roller bearings.

These greases are compatible only with lithium base grease. Sealed bearings should be thoroughly cleaned before using grease described in this product bulletin.

CHARACTERISTICS		
S.NO.	PROPERTIES	PAL LIMOX
1.	Appearance	Black
2.	Soap Type	Lithium
3.	MoS <sub>2</sub>	3%
4.	Base Oil Type	Mineral
5.	Base Oil Viscosity, @40°C	120
6.	Viscosity Index of base oil, min.	90
7.	Cone Penetration, @25°C±0.5°C	265-295
8.	Drop Point, °C min.	180

**\*The specifications are subject to variations/ development / customization.**

**PACKING:** 180KG, 18KG