



GREASES

Molytex[®] EP**Description**

Molytex EP is a multipurpose, extreme pressure lithium grease containing molybdenumdisulphide as a solid lubricant. Molytex EP is made from high-quality base oil containing a shear-stable lithium-12-hydroxy-stearate soap. The solid lubricant MoS₂ ensures good lubricity, high load-carrying ability, and protection against seizure under highly loaded service conditions. Molytex EP has very good anticorrosion properties, good oxidation stability, excellent resistance against softening and good water resistance.

Typical Characteristics

NLGI Grade	2
Code	041922
Base oil	
Viscosity, kinematic, mm ² /s (cSt)	
at 40°C	170
at 100°C	14.0
Color	Dark grey
Dropping point, °C	210
Dynamic anti-rust test (IP 220)	No rust
Four-ball EP test weld point, N	3,800
Penetration, worked	280
Texture	Buttery
Thickener type	Lithium-12-hydroxy-stearate
Operating temperature range, °C	-30 to 120

Recommended Uses

Molytex EP can be used for all types of antifriction bearing arrangements from plain sleeve-type to rolling element bearings, as well as bushings and other sliding surface or pivot points. Compared with other products in the market, Molytex EP increases the life of propeller shafts by up to 30%. It is especially developed for use in constant-velocity joints. Molytex EP is formulated to perform well in conditions of high loads and temperature extremes. The presence of molybdenumdisulphide provides an extra measure of protection in shock-loading situations. During heavy shock loading, the lubricant film between metal surfaces can be temporarily ruptured or squeezed out. By using a moly grease, a film remains to prevent metal-to-metal contact which could cause equipment damage. The presence of molybdenumdisulphide is also valuable in dirty environments or when proper regreasing intervals are not followed. Molytex EP meets the requirements of ASTM D4950 service classification LB.

Performance Benefits**1. High Film Strength**

High load-carrying capacity and low wear-rate is reflected by four ball welding load value.

2. Water Resistance

Provides satisfactory lubrication in the presence of water and is not washed out of the bearings.

3. Corrosion Protection

Rust-inhibited to protect bearing surfaces from corrosion.

4. Oxidation Stability

Ensures long life in storage and in use.

5. Multipurpose

Satisfies all grease requirements of the majority of marine equipment.

6. Pumpability

Can be used over a wide temperature range in centralized lubrication systems.