



Molytex[®] EP 2

Proven performance extreme pressure multipurpose lithium grease

Product description

Molytex EP 2 is a proven performance extreme pressure multipurpose lithium grease, formulated with a shear stable lithium-12-hydroxy-stearate soap.

Molytex EP 2 contains solid lubricant MoS₂ to contribute to good lubricity, high load carrying capability and assist seizure prevention under high load conditions. Molytex EP 2 is also formulated to help protect against corrosion, oxidation, and softening in service, and offer robust assistance to water washout.

Customer benefits

- Contributes to heavy and shock load protection
- Helps provide robust water washout resistance
- Wide range of applications
- Assists low temperature pumpability performance
- Aids reliable rust and corrosion protection

Product highlights

- **Contributes to heavy load and shock protection**
- **Helps resist water washout**
- **Wide range of applications**
- **Assists low temperature pumpability**

Selected specification standards include:

Association of
American Railroads

DIN

ISO

Volvo

Applications

- Molytex EP 2 increases the life of propeller shafts by up to 30%, when compared with a standard lithium EP grease
- Molytex EP 2 is especially developed for use in constant-velocity joints
- Molytex EP 2 is a multi-purpose grease. Construction, mining and agricultural applications for Molytex EP 2 includes a wide range of grease lubrication points found on dozers, scrapers, earthmovers, cranes, shovels, rollers, tractors, combines and cotton pickers. These lubrication points include most types of anti-friction bearing arrangements from plain sleeve-types, to rolling element bearings, as well as bushings and other sliding surface or pivot points
- Molytex EP 2 has been successfully used in constant velocity joints (CV-joints) in front wheel drive automobiles, universal joints (U-joints) and for chassis lubrication. The presence of Moly helps provide added shock protection
- Molytex EP 2 is formulated to perform well in high load conditions and temperature extremes and help provide resistance to rust and water washout

Molytex EP 2 is not suitable for high speed rolling bearings.

Approvals, performance and recommendations

Approvals

- Association of American Railroads Specification M-929-75
- Volvo Corporate standard STD 1277.65, lubricating grease 97765

Performance

DIN 51 502	ISO 6743-09	Operating temperature
K PF 2 K-30	ISO-L-XCCEB2	-30 °C up to 120 °C with centralised lube systems up to 140 °C

Typical test data		
Test	Test methods	Results
NLGI Grade	DIN 51 818	2
Product Code		1922
Type of soap	-	Lithium
Colour	-	Dark Grey
Concentration MoS ₂ , %wt	-	3
Penetration worked, 60x, mm/10	DIN ISO 2137	280
Dropping Point, °C	DIN ISO 2176	210
Base Oil Viscosity at 40 °C, mm ² /s	DIN 51 562	200
Base Oil Viscosity at 100 °C, mm ² /s	DIN 51 562	15
Emcor corrosion test, distilled, stage	DIN 51 802	0-0
Copper Corrosion, 24 hrs at 100 °C	DIN 51 811	1B
Four Ball Wear, method E, Scar diameter, mm	DIN 51350/1,5	0.4
Four Ball Weld Load, N	DIN 51350/1,4	>3600

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

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