

Molytex® EP

Extreme Pressure Automotive Grease



Product description

Molytex® EP is a dark gray, multipurpose EP grease primarily designed for construction, mining and agricultural equipment where an extra measure of protection in shock loading conditions is required.

Molytex EP contains a highly refined ISO VG 220 mineral base oil, lithium soap thickener, EP additives, rust and oxidation inhibitors, plus molybdenum disulfide solid film lubricant.

Customer benefits

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- **Protects metal surfaces**
Effective EP additive and molybdenum disulfide solid film lubricant protect against component wear under high load conditions and/or shock loading. Rust and corrosion inhibitors protect metal surfaces in wet operating conditions. Even if insufficient grease is used, some molybdenum disulfide tends to stay in place and protect metal surfaces.
- **Enhances service life**
Excellent oxidation resistance ensures enhanced grease service life.
- **Ease of application**
NLGI 2 grade provide suitable flow properties for grease pump application systems.
- **Reduces complexity**
Multipurpose capability allows use in a wide range of heavy-duty automotive and industrial applications, reducing the number of different greases required and eliminating product misapplication.

Applications

Can include:

- Automotive
- Construction
- Earthmoving, quarrying and mining
- Agricultural equipment
- Chassis grease point lubrication
- Pins, bushings and other sliding surface or pivot points
- All types of anti-friction bearings
- Ball joints
- Universal joints (U-joints)
- High and shock load applications

Not recommended for constant-velocity joints in front wheel drive vehicles.

Usable temperature range in continuous service is -30 to 130°C.

Maximum temperature for short term exposure is 175°C.

Approvals, performance and recommendations

- Volvo Corporate standard STD 1277.65, lubricating grease 97765

Service considerations

The inclusion of molybdenum disulfide provides an extra measure of protection under shock loading which is very common in construction, off-highway transport and agricultural usage. During heavy shock loading, the lubricant film between metal surfaces can be temporarily ruptured or squeezed out. When using Molytex EP, some molybdenum disulfide stays in place as a solid film lubricant to protect metal surfaces, even under extreme shock loading conditions, preventing metal-to-metal contact which could cause component damage. The presence of molybdenum disulfide is also valuable in dirty environments, or when proper re-greasing intervals cannot be followed

Typical test data

MOLYTEX® EP	
NLGI Grade	2
Product Code	510840
Dropping Point, °C	195
Molybdenum Disulfide, m %	3
Oil Viscosity, mm ² /s @ 40°C	220
mm ² /s @ 100°C	18.2
Penetration, Worked @ 25°C	280
Thickener (Lithium), m %	7.5
Timken OK Load, kg	20

1102

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ENVIRONMENT, HEALTH and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the [Product Information Center](#).

This Product Data Sheet (PDS) was produced for the Asia Pacific region based on the best available information at the time of issue. The specific information included may not directly reflect the market or conditions, and may vary. For the most up-to-date, country-specific information, please contact your local customer service center.