

MOLEX EP HD GREASE

DESCRIPTION:

MOLEX EP HD grease is smooth & tacky with high quality mineral oil & lithium soap based grease incorporating multifunctional, EP (extreme pressure) additives, finely dispersed with graphite and 3% to 4% pure molybdenum disulphide (MoS₂), assures long re-greasing intervals when this kind of operation is impossible or must be delayed. It adhesive is firmly to metal surfaces, filling the micro cavities to its excellent adhesion properties. These grease resistance to water washout and the anti corrosive properties is suitable for application exposed to wet environment and in presence of water. It is suitable rolling bearings, wire ropes subjected to extreme mechanical or thermal stress such even in presence of vibrations. It can be used on worksites as universal suitable for both heavy machinery and for parts when the plant is in operation and can be lubricated only at the beginning of every work turn.

APPLICATIONS

- **MOLEX EP-2 HD** is recommended for multipurpose applications in heavy loaded plain & anti-friction bearings industry like **Steel, Sponge Iron plants, Metal (steel, aluminum, copper), Cement, Sugar, Paper & Chemicals**. Applications in severe environments where continuous low & medium speed bearings with high shock loads, high temperature, copious water presence and at high vibration levels for heavily loaded applications such as in slip seal in kilns of sponge plants, Couplings, Fibrizer bearings, ID & ID Fan bearings, bushing and pins intermittent with very high temperatures are experienced.
- **MOLEX EP-0 HD** and **MOLEX EP-1 HD** provide good low temperature pump ability and are suitable for centralized lubrication and other applications where low temperature performance is required.
- **MOLEX EP-00 HD** and **MOLEX EP-000 HD** is semi-fluid grease designed for Wire Ropes, & Enclosed Gears, and Bearings lubrication in many other Industrial and Constructions Applications: Stone Jaw Crusher, Gear Cases, Chain Cases, Underwater Dredging buckets (cutting heads), Rigs Jacking legs on Offshore Drilling and Marine Wire Ropes because of leakage due to worn or missing seals.

FEATURES & BENEFITS

- High base oil viscosity to provide excellent load carrying performance.
- Excellent EP properties leading to high shock load resistance.
- Excellent mechanical stability thereby addressing high vibrating operations.
- High anti-rust and anti-corrosion protects bearing surface even when the grease is contaminated with water.
- Good lubrication even in presence of water, high resistance to water washout for equipment protection.
- Extended bearing life in wet environment for reducing maintenance costs and unanticipated downtime.
- High drop point enabling operations at high temperatures, good pump ability in centralized systems.

PROPERTIES

NLGI	000	00	0	1	2
Appearance	Dark Grey				
Base Fluid	Mineral				
Thickener	Lithium				
Solid Lubricants	MoS ₂ , EP & AW				
Viscosity at 40°C	320	220	220	180	180
Drop Point	-	-	-	+190	+190
Work Penetration	460	415	370	325	280
4 Ball Weld Load	+315 to 400	+315 to 400	+315 to 400	+315 to 400	+315 to 400
Temperature Range	-20 to +130	-20 to +130	-20 to +130	-20 to +130	-20 to +130

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