

MOLEX-2 HD 220, 460, 680, 860, 1000, 1500 (Mining & Heavy duty bearing)

DESCRIPTION:

MOLEX-2 HD 220, 460, 680 is heavy duty high performance grease containing mineral base oils, lithium based thickener, anti-corrosion and anti-oxidant additives, 3% to 4% Molybdenum Disulphide (MoS₂) solid additive provides additional wear protection, carrying high shock loads, vibrations, excellent adhesive properties give extreme mechanical & thermal stress in medium & slow moving plain and rolling element bearing & mining applications at high temperatures performance. It adhesive is firmly to metal surfaces, filling the micro cavities to its excellent adhesion properties. It has excellent resistance to water washout, assures long re-greasing intervals, extended service life reducing maintenance costs.

APPLICATIONS

- MOLEX-2 HD 220, 460, 680, 860, 1000, 1500 grease is suitable for mining industry in heavy duty construction, earthmoving, mobile & stationery equipment's for heavily loaded off-highway equipment.
- Heavy duty, medium & slow moving plain and rolling element bearings operating in the severe environments under heavy shock loads, high temperatures, copious water presence and at high vibration levels for heavily loaded applications.
- Heavy duty applications in Mining, Sugar Industry, Cement, Power generation, Paper, & chemical Industry applications where severe operating and climatic conditions are experienced
- Operating under higher temperature range is from -20°C to +140°C in severe service applications, and also confers excellent mechanical stability so that the grease structure does not break down in service.

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 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

SPECIFICATIONS	MOLEX-2 HD 220	MOLEX-2 HD 460	MOLEX-2 HD 680	MOLEX-2 HD 860	MOLEX-2 HD 1000	MOLEX-2 HD 1500
NLGI	2	2	0, 00, 1, 2			
Color & Appearance	Dark Grey & Smooth Tacky					
Base Fluid	Mineral					
Thickener & Solid Lubricants	Lithium 3% to 4% MoS ₂ , EP & AW					
Viscosity at 40°C	220	460	680	860	1000	1500
Drop Point	+190	+190	+190	+190	+190	+190
Work Penetration	265-295	265-295	265 - 410	265 - 410	265 - 410	265 - 410
4 Ball Weld Load	+350 to 400	+620 to 800	+620 to 800	+620 to 800	+620 to 800	+620 to 800
Rust test	Pass	Pass	Pass	Pass	Pass	Pass
Copper corrosion	1b	1b	1a	1a	1a	1a
Temperature Range	-20°C to +140°C					

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