



G. BESLUX PLEX EH-2

HIGH EFFICIENCY GREASE INTENDED FOR HEAVY LOADED MECHANISMS OPERATED IN A WIDE RANGE OF TEMPERATURES. PROVIDED WITH GOOD ADHESION.

It has been formulated with complex soap thickener and high quality highly refined mineral base oils, synthetic polymers to optimize the general behavior of the grease and provide a very stable and adherent lubricating film onto the metallic surface. Avoids the metal-metal contact even in limit lubricating conditions, i.e. with high loads, shock loads, high temperatures etc.

The Extreme Pressure, antioxidant and anticorrosive additives with high viscosity oil and synthetic polymers build a continuous protection film onto the metallic contact surfaces and avoid early breakage due to fatigue, microcracks, scratches, high specific pressures and shock loads.

Its outstanding sealing capacity makes difficult the penetration of solid particles which might provoke scratches and microstrain in the bearing path to be lubricated. It will avoid as well the entrance of water and water-oil emulsions used during the metalworking process, then the lubrication or corrosion problems are much reduced.

Its superior adhesion and very high affinity to the metallic surfaces secure an optimum lubrication level of the different mechanisms and metallic contact surfaces, and avoid a grease loss. Then the lubricant consumption and the possibility of contamination from the soluble oils bath or in general the cooling fluids are reduced.

It is provided with a special lead, chlorine and sulfur free additives package therefore the possibility of both contamination and staining is reduced.

The complex soap used will provide excellent behavior to mechanic work. Its rheologic behavior and its fiber nature will allow to reach minimum oil loss values. Thanks to its high drop point it is capable of working in high temperatures operated

mechanisms without losing its physical-chemical properties.

G. BESLUX PLEX EH-2 is used in heavy loaded mechanisms and bearings operated in a wide temperatures range (-20 to 150°C) with possible water and/or emulsions presence, at medium and low spinning speed. Such conditions are experienced in different mechanisms such as the steel, copper, brass rolling, equipments in the steel industry, in the cement industry, in machinery of Mines and Public Works etc.

The grease will be applied in centralized systems (whenever the pumping system is suitable) or manually.

BENEFITS

- ❑ Wide range of service temperatures (-10 to 150°C- peak temperature 180°C).
- ❑ Resists properly heavy and shock loads.
- ❑ Very adherent, high affinity to metal.
- ❑ Excellent sealing capacity. Avoids the penetration of contaminating agents (water, dust, solid particles etc.).
- ❑ Very good resistance to water and oil-water emulsions.
- ❑ High stability to mechanic work.
- ❑ Very proper compatibility with bath emulsion of the metalworking processes.
- ❑ Low environmental effect additive package.
- ❑ Very stable lubricating film with E.P. properties and high resistance to specific loads in limit lubricating conditions.

CAUTIONS

- ☼ The usual ones when handling and using lubricating products.
- ☼ Do not mix with different nature greases.
- ☼ Keep the can closed to avoid contamination.



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PHYSICAL-CHEMICAL CHARACTERISTICS

<input type="checkbox"/> Thickener, soap type	Lithium complex
<input type="checkbox"/> Base oil nature	Refined mineral oil
<input type="checkbox"/> Penetration at 25°C	265 - 295 x 0,1 mm
<input type="checkbox"/> Drop point	Min. 240°C
<input type="checkbox"/> Worked penetration 60W	265-295 x 0,1 mm
<input type="checkbox"/> Worked penetration 105W	Max. +45x 0,1mm
<input type="checkbox"/> NLGI Class	2
<input type="checkbox"/> 4 Balls test	
⇒ Welding load	Min. 240 kg
⇒ Wear scar diameter 1'/80 kg	Max. 0,60 mm
<input type="checkbox"/> Dynamic viscosity	
⇒ At 25C	4000 - 6000 mPas
⇒ At 5°C	12000-16000 mPas
<input type="checkbox"/> Copper corrosion , 24hr/100°C	Max. 1b
<input type="checkbox"/> EMCOR corrosion test	Max. 1
<input type="checkbox"/> Oil separation, 30hr/100°C	Max. 5%
<input type="checkbox"/> Stability to oxidation, 100hr/100°C	Max. 0,5 bar
<input type="checkbox"/> Water wash-out at 80°C	Max. 2%
<input type="checkbox"/> Operating temperature	from -10 to 150°C