



## Grease Lithium Complex EHG

**High efficiency grease designed for heavy loaded mechanisms operated in a wide range of temperatures**

### **Description**

Grease Lithium Complex EHG consists of a lithium complex soap thickener and high quality highly refined mineral base oils, synthetic polymers and graphite to provide a very stable and adherent lubricating film. Will resist high loads, shock loads and high temperatures. Will also avoid penetration in the bearing of moisture and dirt because of the excellent sealing capacity.

The product is provided with a special lead, chlorine and sulphur free additive package, reducing possible contamination and staining. Thanks to the high dropping point this grease is capable of working under conditions with high temperatures without losing its physicochemical properties.

### **Applications**

Grease Lithium Complex EHG is used in heavy loaded mechanisms and bearings operated in a wide temperatures range from -15 up to 150 °C with possible presence of water and/or emulsions and at medium and low speeds. Suitable for the steel industry, cement industry, in

(metalworking) machinery, mining and public works. The grease can both be applied manually or through centralized lubrications. Grease Lithium Complex EHG 2 is very suitable for lubrication of low speed mechanisms which suffer a lot from vibrations. It will as well avoid the entrance of water and water-oil emulsions used during metalworking processes. Its superior adhesion and adhesiveness to metal surfaces secures an optimum lubrication level.

### **Benefits**

- Wide range of service temperatures
- Peak temperature 180 °C
- Environmentally friendly additive package
- Resists heavy and shock loads
- Very adhesive
- Excellent sealing capacity
- Very good resistance to water and oil-water emulsions
- Compatible with metal working processes



## Typical performance data

|  | EHG 1           | EHG 2     |
|--|-----------------|-----------|
| Thickener                              | Lithium complex |           |
| Base oil nature                        | Mineral         |           |
| Colour                                 | Black           |           |
| Base oil viscosity 40 °C, cSt          | 1500            |           |
| NLGI class                             | 1               | 2         |
| Penetration @ 25 °C, x 0,1 mm          | 320             | 270       |
| Worked penetration, 105 W, x 0,1 mm    | > 45            | > 45      |
| Drop point, °C                         | > 240           | > 240     |
| EMCOR corrosion test                   | 1               | 0         |
| Water washout, 3h/90 °C                | 0               | 0         |
| Oxidation stability 100 hr/100 °C, bar | 0,5             | 0,5       |
| Copper corrosion, 24hr/100 °C          | 1b              | 1b        |
| 4-ball wear test                       |                 |           |
| • Welding load, kg                     | 700             | 550       |
| • Wear scar diameter 1'/80 kg, mm      | 0,5             | 0,6       |
| Oil separation, 30 hr/100 °C, %        | 5               | 5         |
| Operating temperatures, °C             | -10 – 150       | -10 – 150 |

All performance data on this Technical Data Sheet are indicative only and can vary during production  
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