

Molyplex

Product Description

MOLYPLEX is an advanced, high quality, lithium complex EP grease, enriched with molybdenum disulphide and special chemical additives which enhance oxidation resistance, rust and wear protection. It successfully copes with extreme pressures and high operating temperatures and provides an efficient protection under severe working conditions. MOLYPLEX provides excellent lubrication under harsh operating conditions, as the molybdenum disulphide provides an additional dry lubrication film between metal surfaces, lowering the friction coefficient.

Performance Features

- Excellent extreme pressure protection and good adhesion
- Excellent high temperature performance
- Excellent rust protection and corrosion resistance
- Lowers the metal surface friction coefficient
- Superior lubrication under heavy or shock loading
- Longer service life in bearings at temperatures up to +360°C (peak operating temperature)
- Provides dry film lubrication
- Excellent storage stability

Application

MOLYPLEX is recommended to be used in plain and rolling bearings working under severe working conditions and speeds, at temperatures ranging from -30 to +160°C and up to +360°C for limited operating periods. Due to its superior pumping characteristics MOLYPLEX is suitable for use in centralized lubrication even if the grease in the system is lost.

MOLYPLEX exceeds the following specifications:

- **DIN** 51825 KP2P-30
- **ASTM** D-4950 LB/GB

Typical Properties:

| NLGI grade | 2 | Method |
|------------------------------------|------------------------|-------------|
| Colour / appearance | Black | |
| Texture | Smooth | |
| Soap Type | Lithium Complex | |
| Dropping point °C | 260 | ASTM D-2265 |
| Worked penetration at 25°C, 1/10mm | 265 - 295 | ASTM D-217 |
| Operating temperature, °C | -30 to +160, peak +360 | |
| Four Ball Test, WP (kgf) | 250 | ASTM D-2596 |
| Four Ball Test, LWI | 45 | ASTM D-2596 |

Note:

The above information is indicative based on current production and does not constitute a specification. Results can be affected by allowable production tolerances, not affecting performance.