



LITHIUM SOAP MULTIPURPOSE EXTREME PRESSURE LITHIUM GREASE (EP 1L)

DESCRIPTION

EP 1L is a high-quality multipurpose lithium-based grease blended from solvent-refined oils, incorporating a multifunctional extreme pressure additive as well as corrosion and oxidation-inhibitors. EP 1L is resistant to water and high-pressure steam and is suitable for operating temperatures between -30°C and 130°C.

APPLICATION

- EP 1L is designed for use in highly loaded plain and roller bearings as well as for shock loading conditions in steel mills.
- EP 1L is suitable for use in the full range of bearing speeds encountered in electric motors, machine and woodworking tools, production equipment, textile and paper-making industry, generators and all types of vehicles.
- The smooth consistency makes this grease ideal for use in centralised lubrication systems and can be used on ferrous and non-ferrous metals.
- EP 1L is recommended for all normal applications at ambient temperatures but NOT where conditions are more severe with higher temperatures.

PERFORMANCE

Meets or exceeds:

- SABS SPECIFICATION 1014

ADVANTAGES

- Excellent wear protection
- Good adhesion to metal
- Excellent resistance to water wash-out
- Good structural storage and mechanical stability
- Resist centrifugal separation of oil from the soap
- High load carrying capability

TYPICAL PHYSICAL CHARACTERISTICS

| Property | Unit | EP 1L Grease | Method |
|---------------------------|------|----------------------------|---|
| Thickening Agent | | Lithium 12 Hydroxystearate | |
| NLGI Classification | | 1 | ASTM 60 Strokes @ 25°C <i>tenths of a millimetre</i> |
| Worked Penetration @ 25°C | | 310-340 | D-217 60 strokes |

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| Property | Unit | EP 1L Grease | Method |
|-------------------------------|-------------|---------------------|---------------|
| Drop Point | °C | 180 | D-2265 |
| Viscosity @40°C | cSt | 1000 | D 445 |
| Timken OK Load | kg | 25 | D-2509 |
| Colour | | Orange / Red | Visual |
| Recommended Temperature (Max) | °C | 150 | - |

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