



Product Data

BP Energrease LS Range

Multi-purpose - general grease

Description

BP Energrease™ LS grades are lithium soap based greases incorporating solvent-refined mineral oils. They contain oxidation and corrosion inhibitors which help to ensure long service life and a high level of protection for metal surfaces. They are additionally water-resistant.

Application

Energrease LS grades are primarily intended for use in plain and anti-friction; ball and roller bearings besides other machinery applications. They are recommended for use under normal load conditions, within an operating temperature range of -25°C to +130°C. Due to the low viscosity used in these products, they are particularly suitable for high speed bearings.

Energrease LS 3 is suitable for severe vibration conditions.

Advantages

- Long service life
- Water resistant
- Good pumpability
- Vibration resistant

Typical Characteristics

| Typical Characteristics | Test Methods | Units | LS 1 | LS 2 | LS 3 |
|--|--------------------------|--------------------|-------------|-------------|-------------|
| Thickener type | - | - | Lithium | Lithium | Lithium |
| NLGI Classification | ISO 2137 / ASTM D 217 | - | 1 | 2 | 3 |
| Colour | Visual | - | light brown | light brown | light brown |
| Texture | Visual | - | smooth | smooth | smooth |
| Drop Point | ISO 2176 / ASTM D2265 | °C | 190 | 190 | 190 |
| Base oil viscosity @ 40°C | ISO 3104/ ASTM D445 | mm ² /s | 110 | 110 | 110 |
| Worked Penetration, 25°C / 60 strokes | ISO 2137 / ASTM D 217 | 0.1mm | 310-340 | 265-295 | 220-250 |
| Working Stability 60 / 100000 strokes | ISO 2137 / ASTM D 217 | 0.1mm | | 40 | 45 |
| Oil Separation 168 h / 40°C | IP 121/ DIN 51817 | %wt | | 3 | 1 |
| Anti -Rust Performance (Emcor) | IP 220 / DIN 51802 | - | | 0/0 | 0/0 |
| Copper-Corrosion, 24h@120°C | ISO 2160 / ASTM D4048 | | | 1-120 | 1-120 |
| Oxidation Stability 100 h/100°C | ASTM D942 / DIN 51808 | bar | | 0.2 | 0.2 |
| Water resistance, 3h | DIN 51807/1 | - | | 1-90 | 1-90 |
| SKF-R2F-test rig Run Cond. 'B', 130°C | DIN 51806 | - | | pass | pass |
| Flow pressure: -20°C | DIN 51805 | mbar | | 1000 | 1400 |
| DIN Classification | DIN 51502 / DIN 51826 | - | | K2K | K3K |

Subject to usual manufacturing tolerances.

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