



Spheerol™AP Range

Bearing Grease

Description

Spheerol™ AP 2 and AP 3 are lithium-based greases incorporating solvent-refined base oils. They contain oxidation and corrosion inhibitors, which help to ensure long service life and a high level of protection for metal surfaces. The greases are water-resistant.

Spheerol™ AP 2 and AP 3 are mainly intended for use in plain and roller bearings of all types and in all kinds of machinery under normal load conditions and within an operating temperature range of -20 °C to +120 °C.

Application

Spheerol™ AP 2 and AP 3 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 -20°C to +120°C. Due to the low viscosity used in these products, they are particularly suitable for high speed bearings.

Spheerol™ AP 3 is suitable for severe vibration conditions.

Advantages

- Corrosion inhibitor additives ensure protection of metal surfaces extending bearing life.
- Oxidation inhibitors extend the life of the grease in high temperature applications minimising the need for re-greasing.
- Water resistance ensures good levels of protection in wet applications.

Typical Characteristics

| Name | Method | Units | AP 2 | AP 3 |
|---|------------------------|--------------------|---------------------|---------------------|
| Thickener type | - | - | Lithium soap | Lithium soap |
| Consistency | ISO 2137 / ASTM D217 | NLGI Grade | 2 | 3 |
| Colour | Visual | - | Amber/Brown | Amber/Brown |
| Texture | Visual | - | Smooth & homogenous | Smooth & homogenous |
| Dropping point | ISO 2176 / ASTM D566 | °C/°F | 180min/356 min | 180 min/356 min |
| Base Oil Viscosity @ 40°C / 104°F | ISO 3104 / ASTM D445 | mm ² /s | 100-130 | 100-130 |
| Worked Penetration (60 strokes @ 25°C / 77°F) | ISO 2137 / ASTM D217 | 0.1 mm | 265-295 | 220-250 |
| Anti Rust Performance (Emcor) | ISO 11007 / ASTM D6138 | Rating | 0/1 max | 0/1 max |
| Copper corrosion, 24 hours @ 100°C | ASTM D4048 | Rating | 1b max | 1b max |
| Oil separation, 168 hours @ 40°C (%) | IP121/ DIN 51817 | % wt. | 5 max | 2 max |
| Water washout, 1 hour @ 79°C | ISO 11009 / ASTM D1264 | %wt loss | 10 max | 10 max |
| Flow pressure @ -20°C / -4°F | DIN 51805 | mBar | <1400 | <1400 |

Subject to usual manufacturing tolerances.

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