

Multiplex[®] FS 100

Phillips 66[®] Multiplex FS 100 is a premium quality, synthetic, extreme pressure (EP), lithium complex grease specifically developed to provide outstanding protection for industrial equipment operating at extreme temperatures or over a wide temperature range.

Multiplex FS 100 is manufactured with an ISO VG 100 synthetic polyalphaolefin (PAO) base oil and a lithium complex soap thickener. It is fortified with EP and antiwear additives plus rust and oxidation inhibitors to provide excellent wear protection, corrosion resistance and long service life. It has outstanding thermal stability at high temperatures and outstanding pumpability at low temperatures for use over a wide temperature range.

Applications

• Lightly loaded, high speed bearings in electric motors and fans

Features/Benefits

- Outstanding oxidation resistance and thermal stability at high temperatures
- Outstanding pumpability at low temperatures
- Excellent wear protection for longer equipment life
- High load carrying capacity
- Protects against rust and corrosion
- Good resistance to water washout

Premium Synthetic High Speed Bearing Extreme Pressure Lithium Complex

Grease



Phillips66Lubricants.com

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Multiplex[®] FS 100

| Typical Properties | | |
|---|------------|-----------------|
| NLGI Grade | | 2 |
| Thickener Type | | Lithium Complex |
| Color | | Purple |
| Texture | | Smooth |
| Density, lbs/gal | | 7.28 |
| Dropping Point, °C (°F) | ASTM D2265 | >260 (>500) |
| Viscosity, Kinematic | ASTM D445 | |
| Viscosity @ 40°C, cSt | | 104.5 |
| Viscosity @ 100°C, cSt | | 14 |
| Penetration, Worked (60 strokes) | ASTM D217 | 265-295 |
| Oxidation Stability, 100 Hours, psi (kPa) | ASTM D942 | 2 (13.8) |
| Four-Ball Wear Scar, mm | ASTM D2266 | 0.45 |
| Four-Ball EP, Weld Load, Kgf | ASTM D2596 | 315 |
| Timken OK Load, Ibs | ASTM D2509 | 55 |
| Corrosion Prevention | ASTM D1743 | Pass |
| Copper Corrosion | ASTM D4048 | 1a |

Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via <u>http://www.phillips66.com/SDS</u>.

Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

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