



Product Data Sheet

HYPEX EP (OIL-BASED)

DESCRIPTION

HYPEX EP is a premium quality, general purpose, lead-free gear and bearing lubricant designed for continuous use at operating temperatures of up to 100 °C.

PROPERTIES

- Contains an EP (extreme pressure) agent to minimize metal seizure when operating at overload conditions up to 80 °C temperature
- Passes stage 12 of the FZG (wear) Test for Load bearing capacity
- Has excellent additive-retention properties to provide protection against wear in continuous over load conditions
- Possesses good water-separation properties
- Exhibits excellent thermal stability

APPLICATION

- Worm and hypoid gear boxes, plain and anti-friction bearings and gears subjected to heavy shock loads

GRADES

- ISO VG 68, 100, 150, 220, 320, 385, 460, 570, 680, 1000, 4000 and 25K

AVAILABLE PACKAGES

- 200-liter drums
- 18-liter pails

TYPICAL CHARACTERISTICS

| | 68 | 150 | 220 | | |
|----------------------------|------------|------------|------------|------------|--|
| Specific Gravity at 15.6°C | 0.8784 | 0.8917 | 0.8957 | | |
| Flash Point, COC, °C | 230 | 240 | 248 | | |
| Color, ASTM | 2.5 | 1.5 | 3.0 | | |
| Viscosity at 40°C, cSt | 69.24 | 145.6 | 215.7 | | |
| Viscosity at 100°C, cSt | 9.05 | 14.88 | 18.87 | | |
| Viscosity Index | 105 | 98 | 98 | | |
| | 320 | 385 | 460 | 570 | |
| Specific Gravity at 15.6°C | 0.8962 | 0.8994 | 0.9043 | 0.9095 | |
| Flash Point, COC, °C | 244 | 246 | 248 | 246 | |
| Color, ASTM | 4.0 | L 4.5 | L 4.0 | L 4.0 | |
| Viscosity at 40°C, cSt | 311.4 | 373.3 | 455.4 | 563.9 | |
| Viscosity at 100°C, cSt | 23.96 | 26.81 | 30.33 | 36.46 | |
| Viscosity Index | 97 | 97 | 96 | 100 | |

HYPEX EP (OIL-BASED) (cont)

| | 680 | 1000 | 4000 | 25K |
|----------------------------|------------|-------------|-------------|------------|
| Specific Gravity at 15.6°C | 0.9095 | 0.9219 | 0.9211 | 0.9255 |
| Flash Point, COC, °C | 246 | 240 | 240 | 222 |
| Color, ASTM | L 4.0 | L 4.5 | L 8.0 | 6.5 |
| Viscosity at 40°C, cSt | 673.6 | 1,044 | 4,598 | 22,090 |
| Viscosity at 100°C, cSt | 42.76 | 60.32 | 136.5 | 662.8 |
| Viscosity Index | 106 | 114 | 101 | 183 |

NOTE: HYPEX EP 4000 is a highly viscous, oil-based EP lubricant with the same viscosity range as HYPEX EP 4K (asphalt-based). Its well-balanced formulation enables the oil to maintain stability even when left undisturbed for long periods of time. It is therefore suitable for extended use during several sugar milling seasons.