

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 drum
- 18-liter pail

TYPICAL CHARACTERISTICS

	68	100	150	220
Specific Gravity at 15.6°C	0.8866	0.8894	0.8933	0.9007
Flash Point, COC, °C	230	232	232	234
Color, ASTM	2.5	3.0	4.0	<4.5
Viscosity at 40°C, cSt	65.3	100.4	143.8	217.3
Viscosity at 100°C, cSt	8.48	11.18	14.04	18.50
Viscosity Index	99	96	94	94
	320	385	460	570
Specific Gravity at 15.6°C	0.9042	0.9047	0.9059	0.9153
Flash Point, COC, °C	232	236	236	238
Color, ASTM	4.5	<5.0	<5.5	8.0
Viscosity at 40°C, cSt	318.1	390.0	466.7	564.4
Viscosity at 100°C, cSt	23.86	28.05	31.18	34.30
Viscosity Index	95	98	97	94
	680	1000	4000	25K
Specific Gravity at 15.6°C	0.9212	0.9415	0.9334	0.8922
Flash Point, COC, °C	234	-	-	-
Color, ASTM	>8.0	-	-	-
Viscosity at 40°C, cSt	662.6	1010	4400	24500
Viscosity at 100°C, cSt	36.44	46.44	136.0	660
Viscosity Index	89	87	112	174

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.