

VISCOPLEX® 0-220

A Shear-Stable VI Improver for Multigrade Gear Lubricants, Automatic Transmission Fluids, and CVT Fluids

A RohMax Product



Function

Viscosity index and low-temperature fluidity improver for multigrade gear oils, including automatic transmission fluids and CVT fluids.

Performance

VISCOPLEX® 0-220 is designed for low-viscosity multigrade gear oils such as SAE 75W-90. VISCOPLEX® 0-220 is used in base fluids ranging from mineral oils to synthetic. VISCOPLEX® 0-220 optimally controls paraffin crystallization effects at low temperature.

Composition

VISCOPLEX® 0-220 is a viscous concentrate of polyalkyl methacrylate (PAMA) in a solvent-refined carrier oil.

Physical Data

Table 1 lists representative physical properties. (These do not constitute specifications.)

Blending Efficiency

The contribution to the kinematic viscosity at 100 °C of VISCOPLEX® 0-220 in straight mineral base oils is shown in Table 2.

VISCOPLEX® Series 0 Gear Oil Viscosity Index Improvers

Typical Physical Properties of VISCOPLEX® 0-220

Table 1

Visual Appearance	Clear
Color (ASTM D1500)	2
Viscosity at 100 °C, mm ² /s (ASTM D445)	600
Density at 15 °C, g/cm ³ (ASTM D4052)	0.93
Flash Point, °C (ASTM D3278)	140
Shear Stability Index (PSSI) KRL, 20 hour (CEC L-45-A-99)	45

Table 2 Thickening Effect of VISCOPLEX® 0-220 at 100 °C

	100 N			150 N			200 N			350 N		
VISCOPLEX® 0-220, % wt	0	10	20	0	10	20	0	10	20	0	10	20
Viscosity at 100 °C, mm ² /s	4.0	7.3	12.0	5.1	9.1	14.8	6.2	10.9	17.5	8.9	14.9	23.3

Density

The typical density of VISCOPLEX® 0-220, as a function of temperature, is given in Figure 1.

Bulk Viscosity

The typical bulk viscosity of VISCOPLEX® 0-220, as a function of temperature, is given in Figure 2.

Additional Information

For additional information on product availability, performance data and Material Safety Data Sheets, please contact your RohMax account manager or Customer Service Representative.

For an overview of our entire VISCOPLEX® and VISCOBASE® product range and complete information on handling and storage, please visit the Products & Applications section on our website www.rohmax.com.

Figure 1 Density vs. Temperature

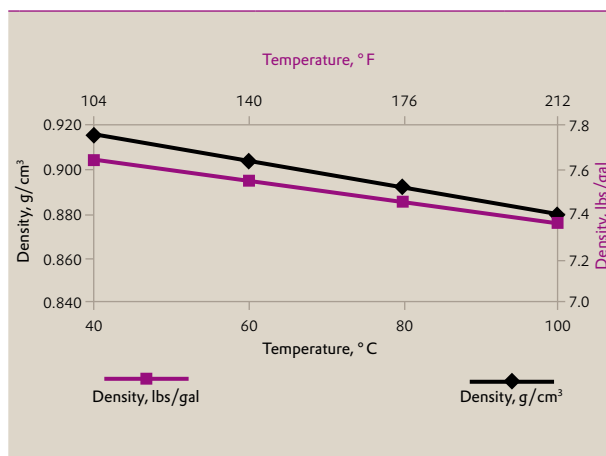
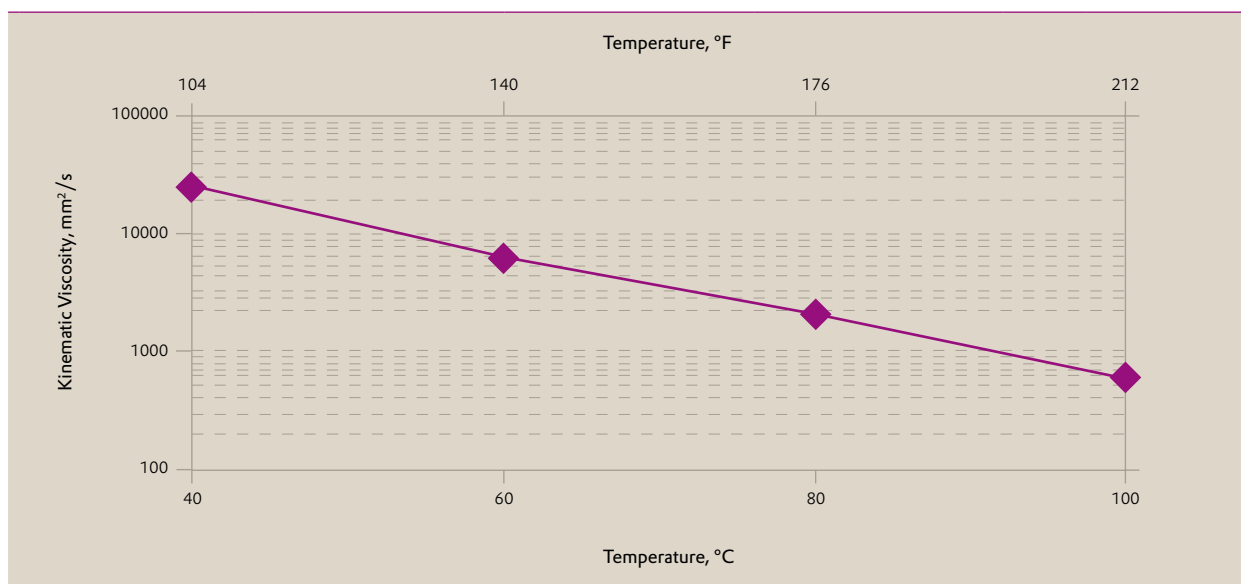


Figure 2 Kinematic Viscosity vs. Temperature



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