VISCOPLEX® 0-120

A Shear-Stable VI Improver for Multigrade Gear Lubricants

A RohMax Product

RohMax OIL ADDITIVES

VISCOPLEX® Series 0 Gear Oil Viscosity Index Improvers

Function

Viscosity index and low-temperature fluidity improver for multigrade gear oils.

Performance

VISCOPLEX® 0-120 is designed for use in highly shear-stable multigrade gear oils, meeting most of the presently specified shear stability requirements. VISCOPLEX® 0-120 can be used in stocks ranging from mineral and hydrocracked oils to synthetics. VISCOPLEX® 0-120 has pour point depressant activity at low temperature.

Composition

VISCOPLEX® 0-120 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® 0-120 in straight mineral base oils is shown in Table 2.

Table 1 Typical Physical Properties of VISCOPLEX® 0-120

Visual Appearance	Clear
Color (ASTM D1500)	2
Viscosity at 100 °C, mm^2/s (ASTM D445)	375
Density at 15 °C, g/cm^3 (ASTM D4052)	0.93
Flash Point, °C (ASTM D3278)	140
Shear Stability Index (P-SSI) KRL, 20 hour (CEC L-45-A-99)	35

Table 2 Thickening Effect of VISCOPLEX® 0-120 at 100 °C

	100 N			150 N			200 N			350 N		
VISCOPLEX® 0-120, % wt	0	10	20	0	10	20	0	10	20	0	10	20
Viscosity at 100 °C, mm^2/s	4.0	6.6	10.2	5.1	8.3	12.7	6.2	10.0	15.0	8.9	13.8	20.2

Density
The typical density of VISCOPLEX® 0-120, as a function of temperature, is given in Figure 1.

Bulk Viscosity
The typical bulk viscosity of VISCOPLEX® 0-120, 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

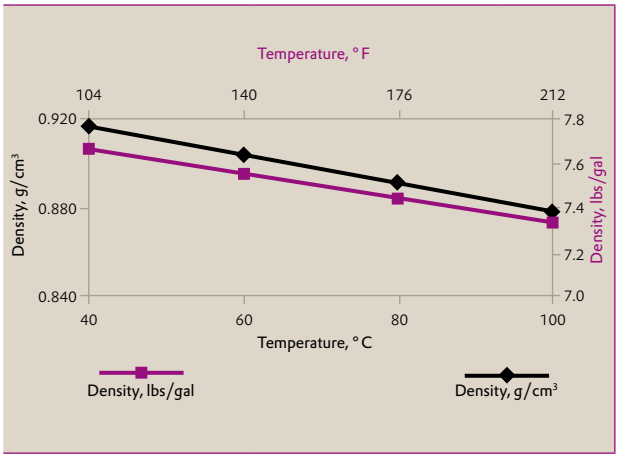
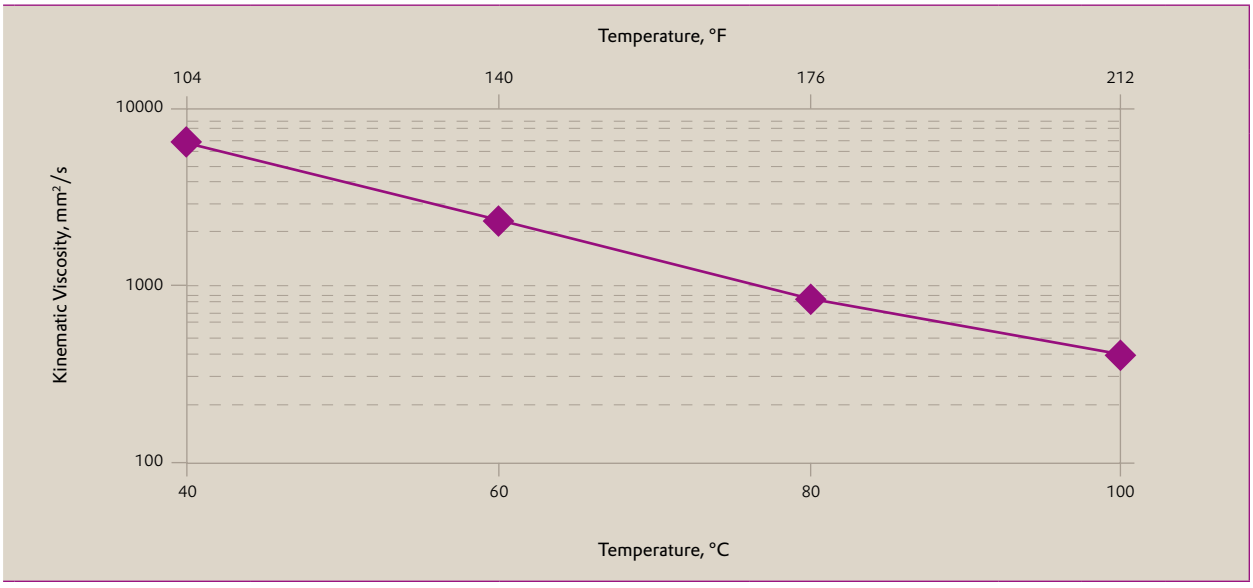


Figure 2 Kinematic Viscosity vs. Temperature



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