

# VISCOPLEX® 0-101

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, automatic transmission fluids, and CVT fluids.

## Performance

VISCOPLEX® 0-101 is designed for extremely shear-stable SAE 80W-140, SAE 75W-90 and other multigrade gear oils. VISCOPLEX® 0-101 can be used in stocks ranging from mineral and hydrocracked oils to synthetics. VISCOPLEX® 0-101 has pour point depressant activity at low temperature.

## Composition

VISCOPLEX® 0-101 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® 0-101 in straight mineral base oils is shown in Table 2.

## VISCOPLEX® Series 0 Gear Oil Viscosity Index Improvers

Typical Physical Properties of VISCOPLEX® 0-101

Table 1

Visual Appearance	Clear
Color (ASTM D1500)	1
Viscosity at 100 °C, mm <sup>2</sup> /s (ASTM D445)	750
Density at 15 °C, g/cm <sup>3</sup> (ASTM D4052)	0.94
Flash Point, °C (ASTM D3278)	150
Shear Stability Index (PSSI) KRL, 20 hour (CEC L-45-A-99)	25

Table 2 Thickening Effect of VISCOPLEX® 0-101 at 100 °C

	100 N			150 N			200 N			350 N		
VISCOPLEX® 0-101, % wt	0	10	20	0	10	20	0	10	20	0	10	20
Viscosity at 100 °C, mm <sup>2</sup> /s	4.0	6.9	10.8	5.1	8.6	13.5	6.2	10.3	15.9	8.9	14.2	21.3

### Density

The typical density of VISCOPLEX® 0-101, as a function of temperature, is given in Figure 1.

### Bulk Viscosity

The typical bulk viscosity of VISCOPLEX® 0-101, 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](http://www.rohmax.com).

Figure 1 Density vs. Temperature

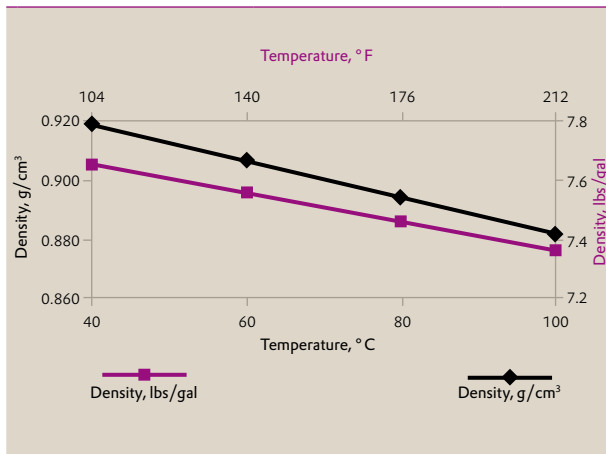
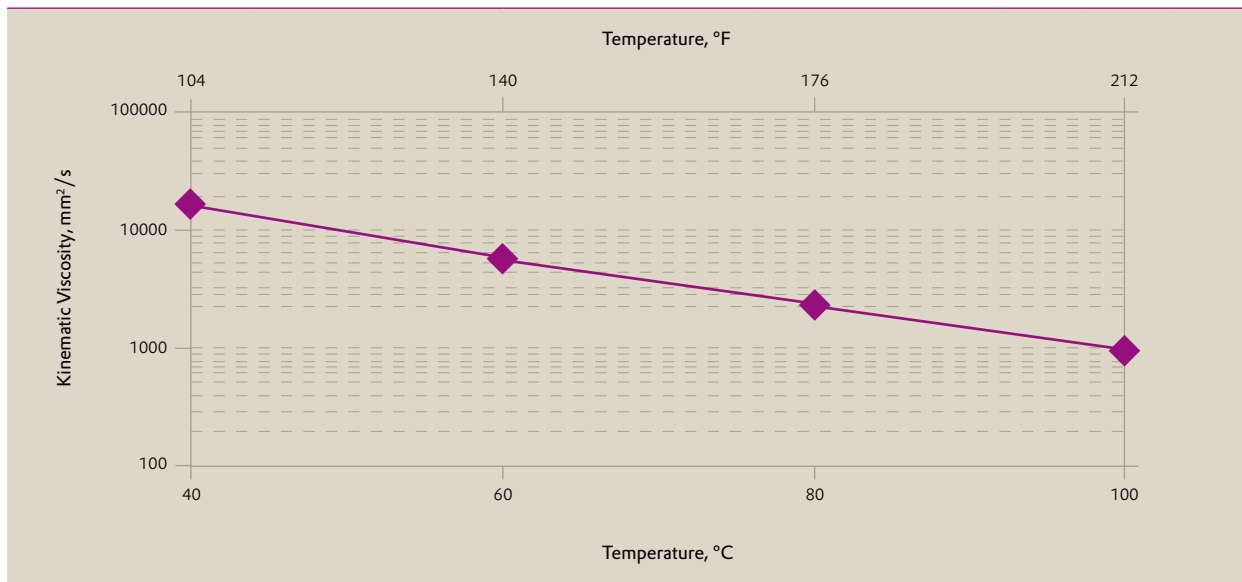


Figure 2 Kinematic Viscosity vs. Temperature



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