

# VISCOPLEX® 1-180

A Versatile Pour Point Depressant Recommended for Use in a Diverse Array of Lubricants

A RohMax Product



## Function

Shear-stable pour point depressant for use in engine oils, hydraulic fluids, and gear oils.

## Performance

Conventional pour point depressant particularly effective in lubricants formulated with solvent-refined base stocks.

Typical addition rates are 0.1 % to 0.3 % by weight. Higher treat rates – for example, 0.5 % to 1.0 % by weight – may be required for some gear oil formulations.

## Composition

VISCOPLEX® 1-180 is a viscous concentrate of polyalkyl methacrylate in a highly refined neutral oil.

## Physical Data

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

## VISCOPLEX® Series 1 Pour Point Depressants

Table 1

### Typical Physical Properties of VISCOPLEX® 1-180

Visual Appearance	Clear to slightly hazy, pale yellow to amber viscous liquid
Color (ASTM D1500)	2.0
Viscosity at 100 °C, mm <sup>2</sup> /s (ASTM D445)	300
Density at 15 °C, g/ml (ASTM D4052)	0.91
Flash Point, °C (ASTM D3278)	>120

### Density

The typical density of VISCOPLEX® 1-180, as a function of temperature, is given in Figure 1.

### Bulk Viscosity

The bulk viscosity of VISCOPLEX® 1-180, as a function of temperature, is provided 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

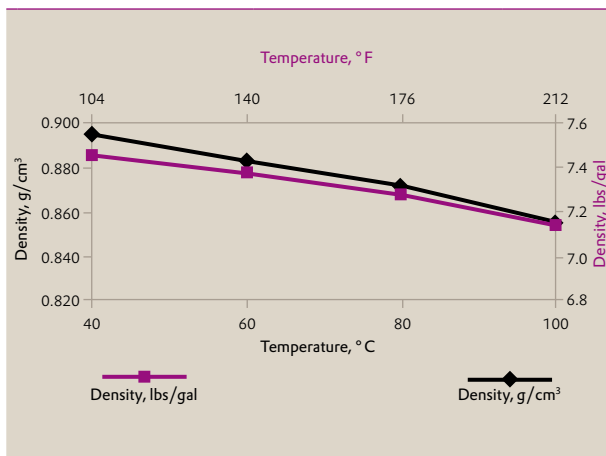
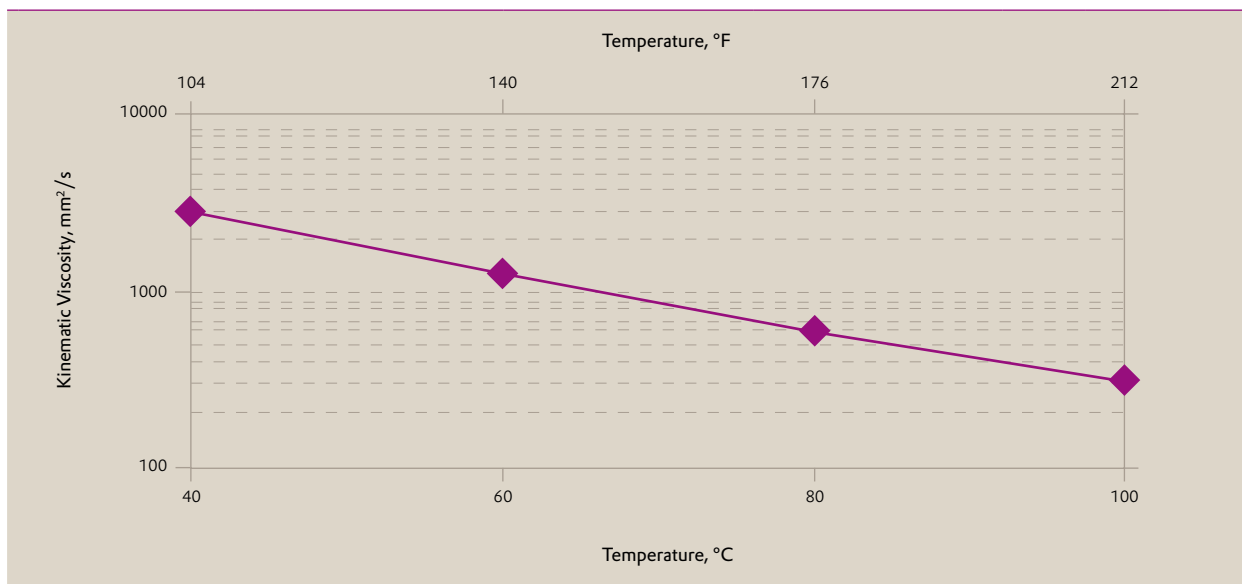


Figure 2 Kinematic Viscosity vs. Temperature



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