

VISCOPLEX® 1-300

Robust Pour Point Depressant for Automotive and Industrial Lubricants Based on All Base Stock Types

A RohMax Product



Function

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

Performance

Advanced technology tailored to provide robust low-temperature solutions across a broad range of lubricants. Particularly effective in formulations using catalytically dewaxed base stocks and higher ethylene content OCP viscosity modifiers.

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® 1-300 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® 1-300

Visual Appearance	Clear, free of sediment
Color (ASTM D1500)	0.5
Viscosity at 100 °C, mm ² /s (ASTM D445)	540
Density at 15 °C, g/cm ³ (ASTM D4052)	0.92
Flash Point, °C (ASTM D3278)	140

Density

The typical density of VISCOPLEX® 1-300, as a function of temperature, is given in Figure 1.

Bulk Viscosity

The bulk viscosity of VISCOPLEX® 1-300, 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.

Figure 1 Density vs. Temperature

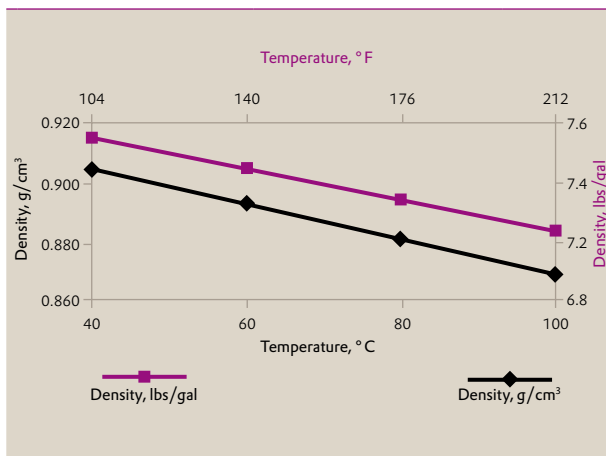
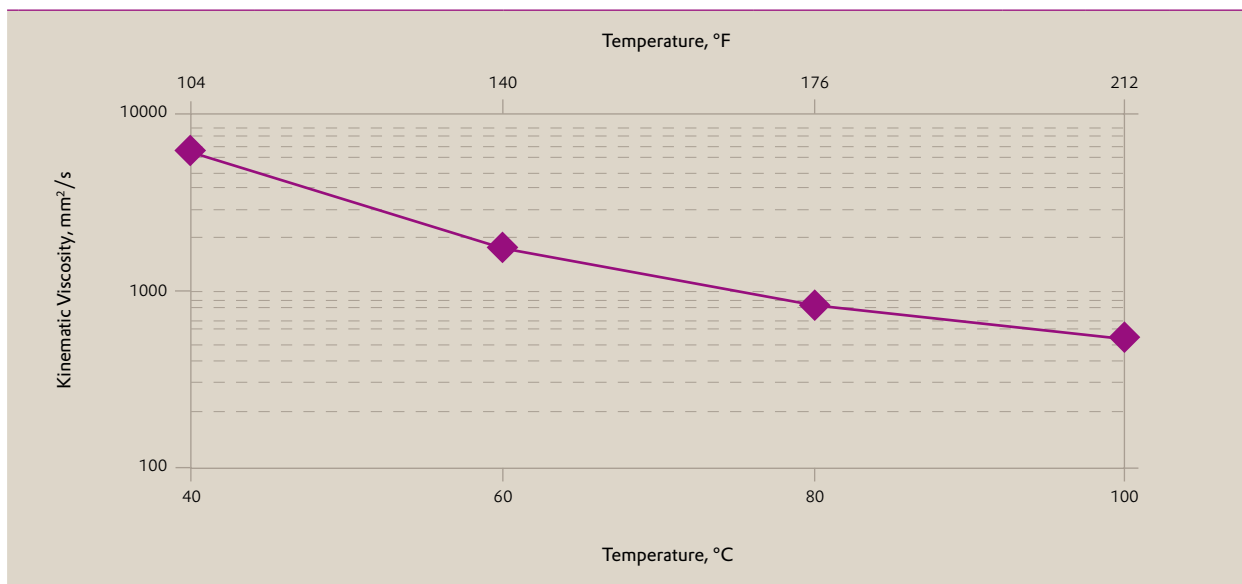


Figure 2 Kinematic Viscosity vs. Temperature



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