

VISCOPLEX® 12-320

A Dispersant VI Improver for Automatic Transmission Fluids and Manual Transmission Fluids

A RohMax Product



Function

Dispersant viscosity index and low-temperature fluidity improver for automatic transmission fluids and manual transmission fluids.

Performance

Shear-stable, dispersant product designed for use in transmission fluid formulations based on a wide variety of base stocks, including conventional, hydrocracked, and synthetic fluids. Typical addition rate is 10%–15% by weight in automatic transmission fluids.

Composition

VISCOPLEX® 12-320 is a solution of dispersant poly-alkyl methacrylate in highly refined mineral oil.

Physical Data

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

Shear Stability and Thickening Efficiency

Table 2 provides shear stability and thickening efficiency data for VISCOPLEX® 12-320.

VISCOPLEX® Series 12 Automatic Transmission Fluid Viscosity Index Improvers

Typical Physical Properties of VISCOPLEX® 12-320

Table 1

Visual Appearance	Clear
Color (ASTM D1500)	0.5
Viscosity at 100 °C, mm ² /s (ASTM D445)	750
Density at 15 °C, g/cm ³ (ASTM D4052)	0.94
Flash Point, °C (ASTM D3278)	140

Table 2

Thickening Efficiency, 10% in RMF 5, at 100 °C, mm ² /s	9.88
KRL, 20 hour, (CEC L-45-A-99), % Viscosity Loss	19
KRL, 20 hour (CEC L-45-A-99), Shear Stability Index	42

Density

The typical density of VISCOPLEX® 12-320, as a function of temperature, is given in Figure 1.

Bulk Viscosity

The typical bulk viscosity of VISCOPLEX® 12-320, 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

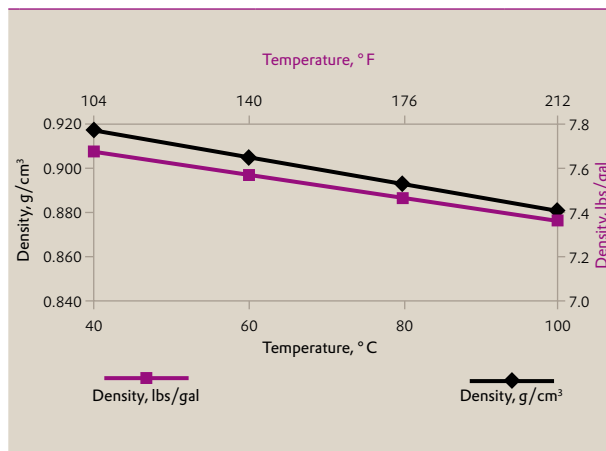
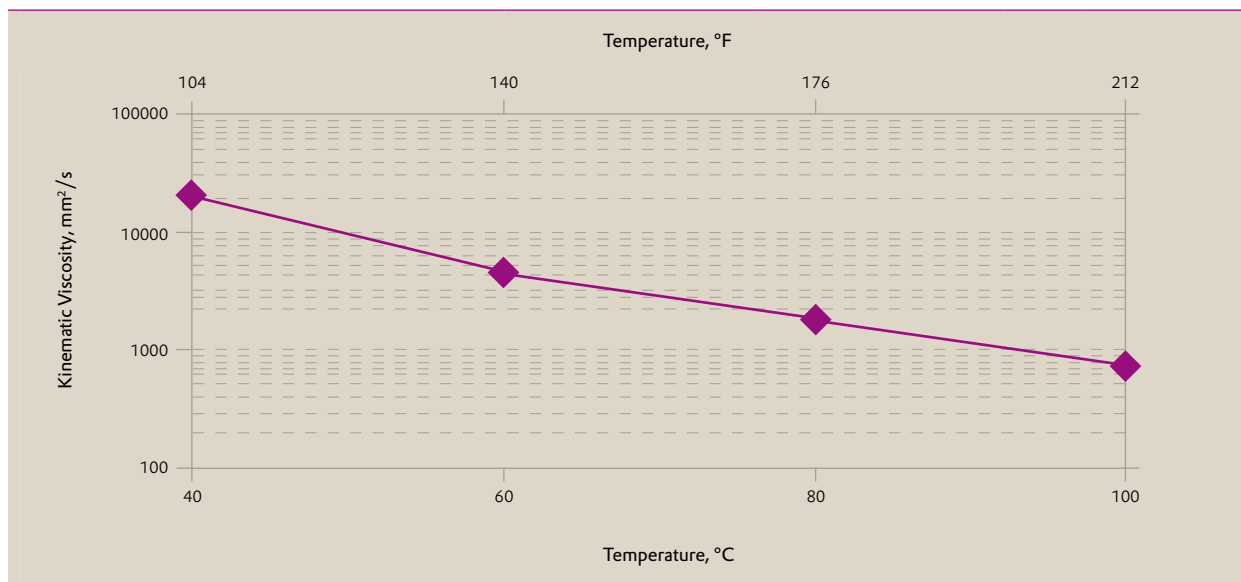


Figure 2 Kinematic Viscosity vs. Temperature



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