

VISCOPLEX® 12-709

A Dispersant Viscosity Index Improver for Automatic Transmission Fluids

A RohMax Product



Function

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

Performance

Dispersant product designed for use in automatic transmission fluids based on mineral oils. Typical addition rate is 3.0% by weight.

Composition

VISCOPLEX® 12-709 is a solution of dispersant polyalkyl 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® 12-709.

VISCOPLEX® Series 12 Automatic Transmission Fluid Viscosity Index Improvers

Typical Physical Properties of VISCOPLEX® 12-709

Table 1

Visual Appearance	Clear to slightly hazy
Color (ASTM D1500)	1
Viscosity at 100 °C, mm ² /s (ASTM D445)	2,000
Density at 15 °C, g/cm ³ (ASTM D4052)	0.905
Flash Point, °C (ASTM D3278)	>125

Table 2

Thickening Efficiency, 10% in RMF 5, at 100 °C, mm ² /s	19.84
BOSCH 30 cycles 7.5% in RMF 5 % Viscosity Loss	33
BOSCH 30 cycles 7.5% in RMF 5 Shear Stability Index	52

Density

The typical density of VISCOPLEX® 12-709, as a function of temperature, is given in Figure 1.

Bulk Viscosity

The typical bulk viscosity of VISCOPLEX® 12-709, 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

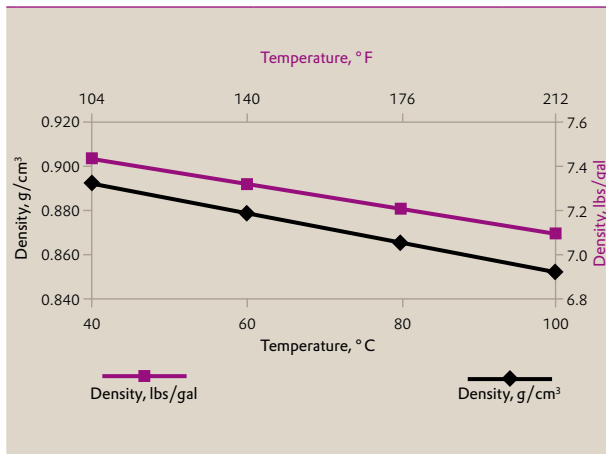
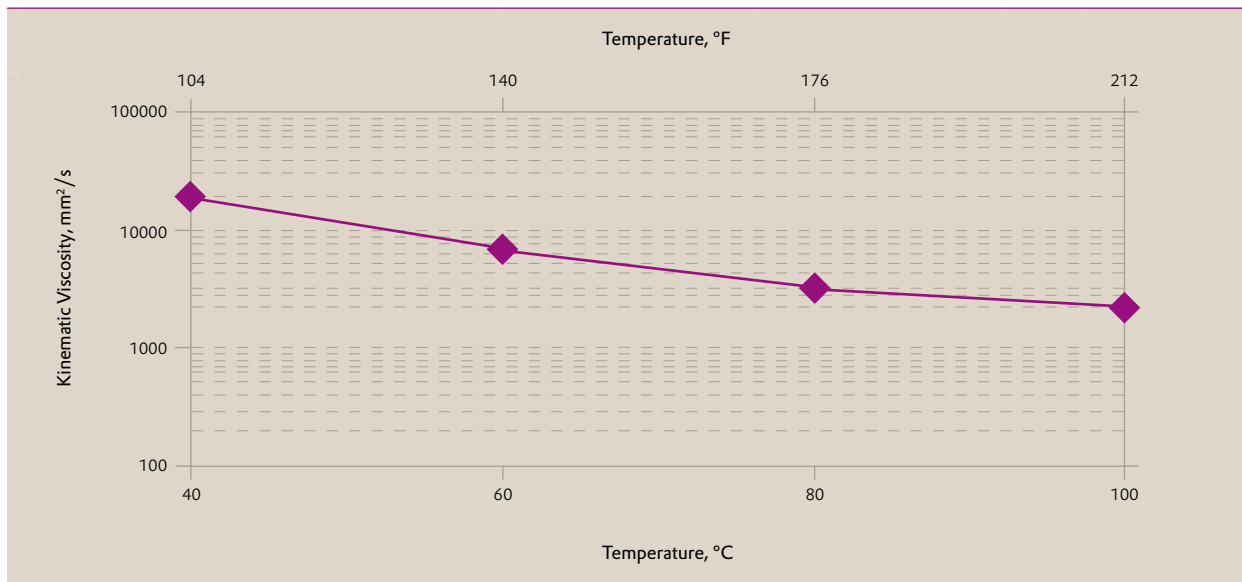


Figure 2 Kinematic Viscosity vs. Temperature



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