

VISCOPEX® 1-851

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

A RohMax Product



Function

A broad-range pour point depressant/thickener.

Performance

Cost-effective pour point depressant which simultaneously provides cold-temperature performance and an increase in viscosity and viscosity index.

Typical addition rates are 0.1 % to 0.3 % by weight. Higher treat rates may be required to achieve higher viscosity and VI lift.

Composition

VISCOPEX® 1-851 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.)

VISCOPEX® Series 1 Pour Point Depressants

Table 1

Typical Physical Properties of VISCOPEX® 1-851

Visual Appearance	Viscous, clear
Color (ASTM D1500)	1.0
Viscosity at 100 °C, mm ² /s (ASTM D445)	640
Density at 15 °C, g/ml (ASTM D4052)	0.90
Flash Point, °C (ASTM D3278)	190

Density

The typical density of VISCOPLEX® 1-851, as a function of temperature, is given in Figure 1.

Bulk Viscosity

The bulk viscosity of VISCOPLEX® 1-851, 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

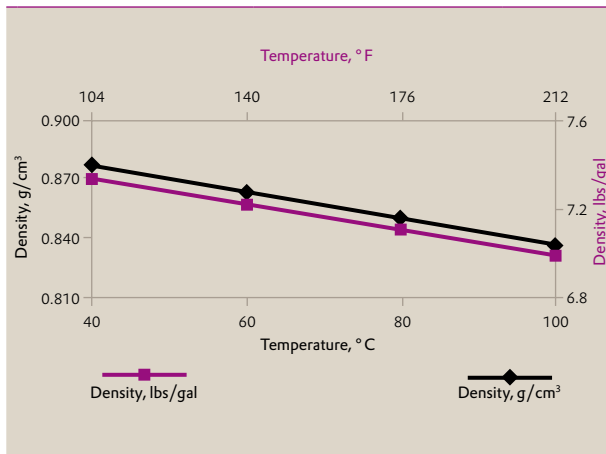
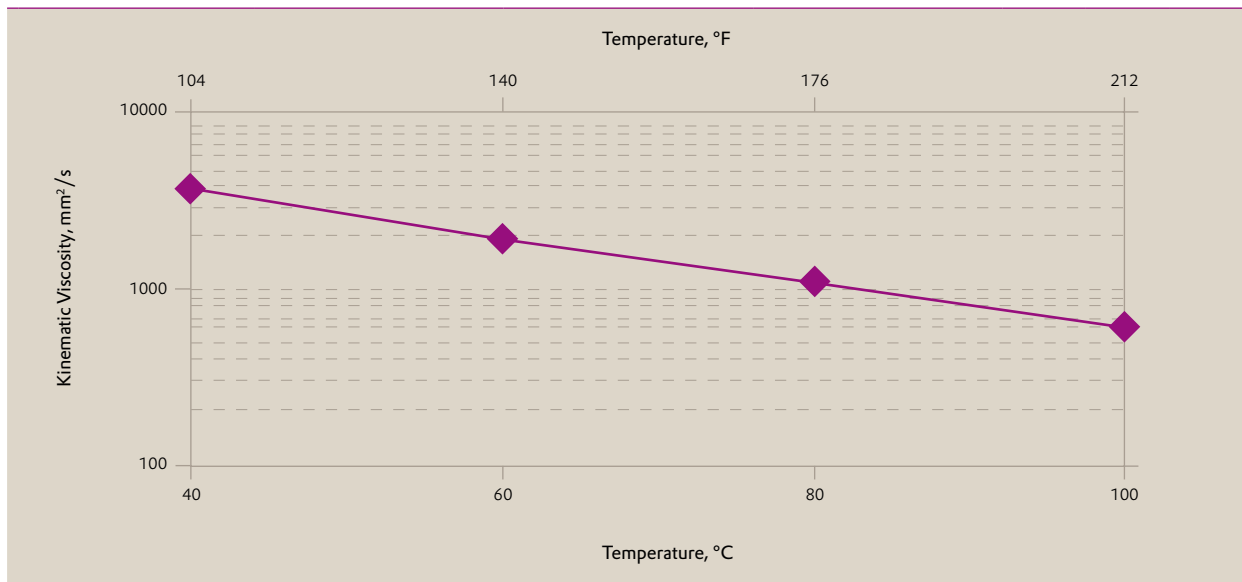


Figure 2 Kinematic Viscosity vs. Temperature



This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

©04/2008 Evonik RohMax Additives GmbH.
VISCOPLEX® and VISCOBASE® are registered trademarks of Evonik RohMax Additives GmbH

Europe, Africa, Mideast:

Evonik RohMax Additives GmbH • Kirschenallee • 64293 Darmstadt • Germany • TEL: +49 61511809

Americas:

Evonik RohMax USA, Inc. • 723 Electronic Drive • Horsham, Pennsylvania 19044-2228 • TEL: +1 215 706 5800 • TOLL-FREE: 1 888 876 4629

Asia Pacific:

Evonik RohMax Asia Pacific Pte. Ltd. • 3 International Business Park 07-18 Nordic European Centre • Singapore 609927 • TEL: +65 6899 0080

info-rohmax@evonik.com • www.rohmax.com

