

SpectraSyn Elite™ 300

Metallocene Polyalphaolefin (mPAO) Fluid

Product Description

SpectraSyn Elite™ metallocene Polyalphaolefin (mPAO) basestock is an advanced high viscosity (Hi-Vis) Polyalphaolefin (PAO). SpectraSyn Elite™ mPAO utilizes metallocene catalyst technology. SpectraSyn Elite™ mPAO basestock offers performance characteristics not available with conventional PAO, such as improved viscosity index (VI), shear stability and low temperature performance in finished lubricants, particularly in industrial applications. Together, these properties offer the flexibility to develop finished lubricants optimized to address formulators' toughest lubrication challenges.

General

Availability ¹	<ul style="list-style-type: none"> ▪ Africa & Middle East ▪ Asia Pacific 	<ul style="list-style-type: none"> ▪ Europe ▪ Latin America 	<ul style="list-style-type: none"> ▪ North America
Revision Date	<ul style="list-style-type: none"> ▪ 06/01/2020 		

Basics	Typical Value (English)	Typical Value (SI)	Test Based On
Specific Gravity ² (60.1°F (15.6°C))	0.849	0.849	ASTM D4052
Appearance ²	Bright & Clear	Bright & Clear	Visual
Color ²	< 0.5	< 0.5	ASTM D1500/ D6045
Kinematic Viscosity ² 212°F (100°C)	303 cSt	303 mm ² /s	ASTM D445
104°F (40°C)	3358 cSt	3358 mm ² /s	
Viscosity Index ²	241	241	ASTM D2270
Pour Point ²	-27 °F	-33 °C	ASTM D5950/D97
Flash Point, COC ²	547 °F	286 °C	ASTM D92
Water ²	< 50 ppm	< 50 ppm	ASTM D6304
Total Acid Number ²	< 0.10 mg KOH/g	< 0.10 mg KOH/g	ASTM D974

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Density Correction Factor ²	7.00E-4 (g/cm ³)/°C	7.00E-4 (g/cm ³)/°C	ASTM D1250

Additional Information

Typical values, actual values will vary; Not to be construed as specifications.

SpectraSyn Elite sales specification available at www.exxonmobilsynthetics.com

Legal Statement

For detailed Product Stewardship information, please contact Customer Service.

Notes

Typical properties: these are not to be construed as specifications.

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

² Single sample or two sample average determinations

SpectraSyn Elite™ 300
Metallocene Polyalphaolefin (mPAO) Fluid

For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

©2020 ExxonMobil. ExxonMobil, the ExxonMobil logo, the interlocking "X" device and other product or service names used herein are trademarks of ExxonMobil, unless indicated otherwise. This document may not be distributed, displayed, copied or altered without ExxonMobil's prior written authorization. To the extent ExxonMobil authorizes distributing, displaying and/or copying of this document, the user may do so only if the document is unaltered and complete, including all of its headers, footers, disclaimers and other information. You may not copy this document to or reproduce it in whole or in part on a website. ExxonMobil does not guarantee the typical (or other) values. Any data included herein is based upon analysis of representative samples and not the actual product shipped. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the date compiled, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, freedom from patent infringement, suitability, accuracy, reliability, or completeness of this information or the products, materials or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. This document is not an endorsement of any non-ExxonMobil product or process, and we expressly disclaim any contrary implication. The terms "we," "our," "ExxonMobil Chemical" and "ExxonMobil" are each used for convenience, and may include any one or more of ExxonMobil Chemical Company, Exxon Mobil Corporation, or any affiliate either directly or indirectly stewarded.

exxonmobilchemical.com