

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

Basics	Typical Value (English)	Typical Value (SI)	Test Based On
Specific Gravity <sup>2</sup> (60.1°F (15.6°C))	0.849	0.849	ASTM D4052
Appearance <sup>2</sup>	Bright & Clear	Bright & Clear	Visual
Color <sup>2</sup>	< 0.5	< 0.5	ASTM D1500/ D6045
Kinematic Viscosity <sup>2</sup>			ASTM D445
212°F (100°C)	303 cSt	303 mm <sup>2</sup> /s	
104°F (40°C)	3358 cSt	3358 mm <sup>2</sup> /s	
Viscosity Index <sup>2</sup>	241	241	ASTM D2270
Pour Point <sup>2</sup>	-27 °F	-33 °C	ASTM D5950/D97
Flash Point, COC <sup>2</sup>	547 °F	286 °C	ASTM D92
Water <sup>2</sup>	< 50 ppm	< 50 ppm	ASTM D6304
Total Acid Number <sup>2</sup>	< 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 <sup>2</sup>	7.00E-4 (g/cm <sup>3</sup> )/°C	7.00E-4 (g/cm <sup>3</sup> )/°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](http://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.

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

<sup>2</sup> Single sample or two sample average determinations

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For additional technical, sales and order assistance: [www.exxonmobilchemical.com/ContactUs](http://www.exxonmobilchemical.com/ContactUs)

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