

# 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             | 06/01/2020                                                                                       |                                                                                 |                                                                 |

| 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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