

# SpectraSyn™ 5

## Polyalphaolefin (PAO) Fluid

### Product Description

SpectraSyn™ Low Viscosity Polyalphaolefin (PAO) basestocks feature low temperature properties, low volatility, and improved thermal stability. SpectraSyn™ Low Viscosity PAO products have high viscosity indices which translate to improved flow at low temperatures and increased film thickness at high temperatures. SpectraSyn™ Low Viscosity PAO products are the primary basestocks for synthetic lubricants used in passenger car engines, heavy-duty diesel engines, transmissions, gear boxes and a variety of industrial applications.

### 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>▪ 07/01/2019</li> </ul>		

Basics	Typical Value (English)	Typical Value (SI)	Test Based On
Specific Gravity (60.1°F (15.6°C))	0.824	0.824	ASTM D4052
Appearance (0°F (-18°C))	Bright & Clear	Bright & Clear	Visual
Color	< 0.5	< 0.5	ASTM D1500
Kinematic Viscosity			ASTM D445
212°F (100°C)	5.1 cSt	5.1 mm <sup>2</sup> /s	
104°F (40°C)	25.0 cSt	25.0 mm <sup>2</sup> /s	
-40°F (-40°C) <sup>2</sup>	4920 cSt	4920 mm <sup>2</sup> /s	
Viscosity Index	138	138	ASTM D2270
Pour Point	-71 °F	-57 °C	ASTM D5950/D97
Flash Point, COC	464 °F	240 °C	ASTM D92
Noack Volatility	6.8 wt%	6.8 wt%	ASTM D5800/DIN 51581
Water	< 50 ppm	< 50 ppm	ASTM D6304
Total Acid Number	< 0.05 mg KOH/g	< 0.05 mg KOH/g	ASTM D974 (mod)

Flow	Typical Value (English)	Typical Value (SI)	Test Based On
Apparent Viscosity by Mini-Rotary Viscometer <sup>2</sup>			ASTM D4684
-40°F (-40°C)	4200 cP	4200 cP	
Cold Cranking Simulator <sup>2</sup> (-31°F (-35°C))	2420 cP	2420 cP	ASTM D5293

### 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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