

# SpectraSyn™ 100

## Polyalphaolefin (PAO) Fluid

### Product Description

SpectraSyn™ High Viscosity Polyalphaolefin (PAO) basestocks feature low temperature properties (pour point and viscosity), low volatility, and improved thermal stability. SpectraSyn™ High Viscosity PAO products high viscosity indices translate into improved flow at low temperatures and increased film thickness at high temperatures. SpectraSyn™ High Viscosity PAO basestocks are particularly suited for industrial oils requiring high stability under extreme operating conditions. SpectraSyn™ High Viscosity PAO products are frequently used in conjunction with lower viscosity fluids (PAO, mineral oils) as a viscosity booster to achieve a wide range of ISO VG industrial and automotive gear oils.

Properties	Minimum	Maximum	Unit	Test Method
Specific Gravity <sup>1</sup> (15.6°C)	Report	--		ASTM D4052
Appearance <sup>1</sup> (-18°C)	Bright & Clear	--		Visual
Color <sup>1</sup>	--	0.5		ASTM D1500
Kinematic Viscosity <sup>1</sup>				ASTM D445
100°C	97	115	cSt	
40°C	1200	1540	cSt	
Pour Point <sup>1</sup>	--	-21	°C	ASTM D5950/D97
Flash Point, COC <sup>1</sup>	270	--	°C	ASTM D92
Water <sup>1</sup>	--	50	ppm	ASTM D6304
Total Acid Number <sup>1</sup>	--	0.10	mg KOH/g	ASTM D974 (mod)

### Notes

<sup>1</sup> Test reported on Certificate of Analysis

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

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