

ExxonMobil SpectraSyn Plus™ 4 Advanced Polyalphaolefin (PAO) Fluid

Category : Fluid , Lubricant , Polyalphaolefin (PAO)

Material Notes:

Product Description: SpectraSyn Plus™ Advanced Polyalphaolefin (PAO) provide an optimal combination of volatility and low-temperature fluidity. SpectraSyn Plus™ Advanced products viscosity indices translate into improved flow at low temperatures and increased film thickness at high temperatures. SpectraSyn Plus™ Advanced PAO provide superior lubrication as the primary basestocks for synthetic lubricants used in passenger car engines, heavy-duty diesel engines, transmissions, and a variety of industrial applications. SpectraSyn Plus™ Advanced PAO can be use for upgrading mineral oil or Group III basestock for improved low temperature and volatility performance.

Appearance: Bright & Clear**Availability:** Africa & Middle East, Asia Pacific, Central America, Europe, North America and South

AmericaInformation provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-SpectraSyn-Plus-4-Advanced-Polyalphaolefin-PAO-Fluid.php

Physical Properties	Metric	English	Comments
Density	0.820 g/cc	0.0296 lb/in ³	ASTM D4052
	@Temperature 15.6 °C	@Temperature 60.1 °F	
Viscosity	1.24 cP	1.24 cP	High-Temp. High Shear; ASTM D5481
	2023 cP	2023 cP	
Brookfield Viscosity	@Temperature -40.0 °C	@Temperature -40.0 °F	Apparent Viscosity by Mini-Rotary Viscometer; ASTM D4684
	2538 cP	2538 cP	
Viscosity Measurement	@Temperature -40.0 °C	@Temperature -40.0 °F	ASTM D2983
	126	126	
Kinematic Viscosity	2430 cSt	2430 cSt	ASTM D445
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Kinematic Viscosity at 40°C (104°F)	17.2 cSt	17.2 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	3.9 cSt	3.9 cSt	ASTM D445
Vapor Pressure	0.000267 bar	0.200 torr	ASTM D2879
	@Temperature 150 °C	@Temperature 302 °F	
Evaporation Loss	15.2 %	15.2 %	ASTM D972
	@Temperature 205 °C, Time 23400 sec	@Temperature 401 °F, Time 6.50 hour	

Thermal Properties	Metric	English	Comments
Pour Point	<= -60.0 °C	<= -76.0 °F	ASTM D5950/D97

Thermal Properties	Metric	English	Comments
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Optical Properties	Metric	English	Comments
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Refractive Index	1.453	1.453	ASTM D1218
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Electrical Properties	Metric	English	Comments
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Dielectric Constant	2.1	2.1	ASTM D924
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Dielectric Breakdown	41200 V	41200 V	
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Chemical Properties	Metric	English	Comments
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Acid Value	<= 0.050	<= 0.050	[mg KOH/g]; ASTM D974 (mod)
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Descriptive Properties	Value	Comments
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Aniline Point	248°F	ASTM D611
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Cold Cranking Simulator	1290 cP	-31°F, ASTM D5293
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	733 cP	-13°F, ASTM D5293
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	804 cP	-22°F, ASTM D5293
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Color	<0.5	ASTM D1500
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Composition	Water	<50 ppm, ASTM D6304 (mod)
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Density Correction Factor	0.000644 (g/cc)/°C	ASTM D1250
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Fire point	489°F	COC, ASTM D92
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Kauri-Butanol Value	13	ASTM D1133
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Noack Volatility	<12%	ASTM D5800/DIN 51581
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