

ExxonMobil SpectraSyn Ultra™ 300 High VI Polyalphaolefin (PAO) Fluid

Category : Fluid , Lubricant , Polyalphaolefin (PAO)

Material Notes:

Product Description: SpectraSyn Ultra™ High VI Polyalphaolefin (PAO) have high viscosity indices, low pour points, low traction, good air release, and low foaming tendency. The extremely high viscosity indices translate into improved flow at low temperatures and increased elastohydrodynamic lubricant film thickness at high temperatures. SpectraSyn Ultra™ High VI PAO are frequently combines with other synthetic basestocks (e.g. SpectraSyn Ultra™ PAO, Exterex™ esters, and/or Synesstic™ alkylated naphthalene) to obtain optical viscometric properties. ExxonMobil's SpectraSyn Ultra™ High VI PAO are particularly suited for applications that require improved wear protection.

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-Ultra-300-High-VI-Polyalphaolefin-PAO-Fluid.php

Physical Properties	Metric	English	Comments
Density	0.852 g/cc	0.0308 lb/in ³	ASTM D4052
	@Temperature 15.6 °C	@Temperature 60.1 °F	
Brookfield Viscosity	37800 cP	37800 cP	ASTM D2983
	@Temperature 32.0 °C	@Temperature 89.6 °F	
Viscosity Measurement	311000 cP	311000 cP	ASTM D2983
	@Temperature -4.00 °C	@Temperature 24.8 °F	
Kinematic Viscosity	110 cSt	110 cSt	ASTM D445
Kinematic Viscosity at 40°C (104°F)	36000 cSt	36000 cSt	ASTM D445
	@Temperature 0.000 °C	@Temperature 32.0 °F	
Kinematic Viscosity at 100°C (212°F)	3100 cSt	3100 cSt	ASTM D445
Evaporation Loss	300 cSt	300 cSt	ASTM D445
	0.30 %	0.30 %	
	@Temperature 150 °C, Time 79200 sec	@Temperature 302 °F, Time 22.0 hour	ASTM D972

Thermal Properties	Metric	English	Comments
Pour Point	-27.2 °C	-17.0 °F	ASTM D5950/D97
Flash Point	>= 265 °C	>= 509 °F	COC; ASTM D92

Optical Properties	Metric	English	Comments
Refractive Index	1.4707	1.4707	ASTM D1218

Chemical Properties	Metric	English	Comments
Acid Value	<= 0.10	<= 0.10	[mg KOH/g]; ASTM D974 (mod)

Descriptive Properties	Value	Comments
Color	<0.5	ASTM D1500
Composition	Water	<50 ppm, ASTM D6304 (mod)
Density Correction Factor	0.000506 (g/cc)/°C	ASTM D1250
Noack Volatility	0.003	ASTM D5800/DIN 51581

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