ExxonMobil SpectraSyn Plus™ 6 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 & ClearAvailability: 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-6-Advanced-Polyalphaolefin-PAO-Fluid.php

Physical Properties	Metric	English	Comments
Density	0.827 g/cc @Temperature 15.6 °C	0.0299 lb/in³ @Temperature 60.1 °F	ASTM D4052
Viscosity	1.86 cP	1.86 cP	High-Temp. High Shear; ASTM D5481
	6243 cP @Temperature -40.0 °C	6243 cP @Temperature -40.0 °F	Apparent Viscosity by Mini-Rotary Viscometer; ASTM D4684
Brookfield Viscosity	6289 cP @Temperature -40.0 °C	6289 cP @Temperature -40.0 °F	ASTM D2983
Viscosity Measurement	143	143	Index; ASTM D2270
Kinematic Viscosity	7400 cSt @Temperature -40.0 °C	7400 cSt @Temperature -40.0 °F	ASTM D445
Kinematic Viscosity at 40°C (104°F)	30.3 cSt	30.3 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	5.9 cSt	5.9 cSt	ASTM D445
Vapor Pressure	0.000267 bar @Temperature 150 °C	0.200 torr @Temperature 302 °F	ASTM D2879
Evaporation Loss	5.7 % @Temperature 205 °C, Time 23400 sec	5.7 % @Temperature 401 °F, Time 6.50 hour	ASTM D972

Thermal Properties	Metric	English	Comments
Pour Point	<= -53.9 °C	<= -65.0 °F	ASTM D5950/D97

Thermal Properties	Metric	English	Comments D92

Optical Properties	Metric	English	Comments
Refractive Index	1.4579	1.4579	ASTM D1218

Electrical Properties	Metric	English	Comments
Dielectric Constant	2.11	2.11	ASTM D924
Dielectric Breakdown	39400 V	39400 V	

Chemical Properties	Metric	English	Comments
Acid Value	<= 0.050	<= 0.050	[mg KOH/g]; ASTM D974 (mod)

Descriptive Properties	Value	Comments
Aniline Point	247°F	ASTM D611
Cold Cranking Simulator	1400 cP	-13°F, ASTM D5293
	2247 cP	-22°F, ASTM D5293
	3600 cP	-31°F, ASTM D5293
Color	<0.5	ASTM D1500
Composition	Water	<50 ppm, ASTM D6304 (mod)
Density Correction Factor	0.000632 (g/cc)/°C	ASTM D1250
Fire point	532°F	COC, ASTM D92
Noack Volatility	<6%	ASTM D5800/DIN 51581

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