

ExxonMobil Exterex™ P61 Synthetic Fluid

Category : Fluid , Lubricant

Material Notes:

Product Description: Esterex™ Phthalate Esters are API category Group V fluids. Esterex™ Phthalate Esters have excellent lower-temperature properties, good lubricating properties and low volatilities. Esterex™ Phthalate Esters can be used as sole basestocks or blendstocks with other synthetic fluids in many automotive and industrial lubricant applications. These esters are ideal for use in air compressor applications, where low viscosity indices are acceptable and low-cost, clean operation is desirable. **Appearance:** Bright & Clear **Availability:** Asia Pacific, Central America, North America and South America **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exterex-P61-Synthetic-Fluid.php

Physical Properties	Metric	English	Comments
Density	0.967 g/cc @Temperature 15.6 °C	0.0349 lb/in ³ @Temperature 60.1 °F	ASTM D4052
Viscosity Measurement	62	62	Index; ASTM D2270
Kinematic Viscosity	11810 cSt @Temperature -40.0 °C	11810 cSt @Temperature -40.0 °F	ASTM D445
Kinematic Viscosity at 40°C (104°F)	38 cSt	38 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	5.4 cSt	5.4 cSt	ASTM D445
Evaporation Loss	15.3 % @Temperature 205 °C, Time 23400 sec	15.3 % @Temperature 401 °F, Time 6.50 hour	ASTM D972

Thermal Properties	Metric	English	Comments
Pour Point	-42.2 °C	-44.0 °F	ASTM D5950/D97
Flash Point	209 °C	408 °F	PMCC; ASTM D92
	224 °C	435 °F	COC; ASTM D92

Optical Properties	Metric	English	Comments
Refractive Index	1.4829	1.4829	ASTM D1218

Chemical Properties	Metric	English	Comments
Acid Value	<= 0.070	<= 0.070	[mg KOH/g]; ASTM D974 (mod)

Descriptive Properties	Value	Comments
Aniline Point	<68°F	ASTM D611
Biodegradation	0.714	OECD 301F
Color	<0.5	ASTM D1500
Composition	Water	<1000 ppm, ASTM D6304 (mod)
Density Correction Factor	0.000724 (g/cc)/°C	ASTM D1250
Elastomer Compatibility	0	Fluoroelastomer Elongation Change, ASTM D471
	-0.04	Fluoroelastomer Hardness Change, ASTM D471
	0.046	Fluoroelastomer Volume Change, ASTM D471
	-0.21	Nitrile Hardness Change, ASTM D471
	-0.25	Polyacrylate Hardness Change, ASTM D471
	-0.257	Nitrile Tensile Strength Change, ASTM D471
	-0.289	Fluoroelastomer Tensile Strength Change, ASTM D471
	-0.298	Nitrile Elongation Change, ASTM D471
	0.39	Nitrile Volume Change, ASTM D471
	-0.394	Polyacrylate Elongation Change, ASTM D471
	-0.534	Polyacrylate Tensile Strength Change, ASTM D471
	0.652	Polyacrylate Volume Change, ASTM D471
Fire point	514°F	COC, ASTM D92
Hydrolytic Stability, TAN Change	0.02 mg KOH/g	ASTM D2619
Kauri-Butanol Value	80	ASTM D1133
Noack Volatility	0.093	ASTM D5800/DIN 51581
RPVOT	>2610 min	With AO, ASTM D2272

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