

ExxonMobil Exterex™ NP343 Synthetic Fluid

Category : Fluid , Lubricant

Material Notes:

Product Description: Esterex™ Polyol Esters are API category Group V fluids. Esterex™ Polyol Esters have excellent lower-temperature properties, good lubricating properties and low volatilities. Esterex™ Polyol 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 highly loaded, high-speed lubricant applications where energy efficiency is desired. **Appearance:** Bright & Clear **Availability:** Africa & Middle East, Asia Pacific, Central America, Europe, North America and South America **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exterex-NP343-Synthetic-Fluid.php

Physical Properties	Metric	English	Comments
Density	0.945 g/cc @Temperature 15.6 °C	0.0341 lb/in ³ @Temperature 60.1 °F	ASTM D4052
Viscosity Measurement	136	136	Index; ASTM D2270
Kinematic Viscosity	2540 cSt @Temperature -40.0 °C	2540 cSt @Temperature -40.0 °F	ASTM D445
Kinematic Viscosity at 40°C (104°F)	19 cSt	19 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	4.3 cSt	4.3 cSt	ASTM D445
Evaporation Loss	5.0 % @Temperature 205 °C, Time 23400 sec	5.0 % @Temperature 401 °F, Time 6.50 hour	ASTM D972

Thermal Properties	Metric	English	Comments
Pour Point	-47.8 °C	-54.0 °F	ASTM D5950/D97
Flash Point	245 °C	473 °F	PMCC; ASTM D92
	257 °C	495 °F	COC; ASTM D92

Optical Properties	Metric	English	Comments
Refractive Index	1.4521	1.4521	ASTM D1218

Chemical Properties	Metric	English	Comments
Acid Value	0.020	0.020	[mg KOH/g]; ASTM D974 (mod)

Descriptive Properties	Value	Comments
Aniline Point	<68°F	ASTM D611
Biodegradation	0.764	OECD 301F
Color	0.5	ASTM D1500
Composition	Water	<350 ppm, ASTM D6304 (mod)
Density Correction Factor	0.000702 (g/cc)/°C	ASTM D1250
Elastomer Compatibility	-0.02	Fluoroelastomer Hardness Change, ASTM D471
	-0.037	Fluoroelastomer Tensile Strength Change, ASTM D471
	0.047	Fluoroelastomer Volume Change, ASTM D471
	-0.056	Fluoroelastomer Elongation Change, ASTM D471
	-0.09	Nitrile Hardness Change, ASTM D471
	-0.1	Polyacrylate Hardness Change, ASTM D471
	0.169	Nitrile Volume Change, ASTM D471
	-0.272	Polyacrylate Tensile Strength Change, ASTM D471
	0.274	Polyacrylate Volume Change, ASTM D471
	-0.296	Polyacrylate Elongation Change, ASTM D471
	-0.34	Nitrile Elongation Change, ASTM D471
	-0.46	Nitrile Tensile Strength Change, ASTM D471
Fire point	556°F	COC, ASTM D92
Hydrolytic Stability, TAN Change	0.2 mg KOH/g	ASTM D2619
Kauri-Butanol Value	62.5	ASTM D1133
Noack Volatility	0.046	ASTM D5800/DIN 51581
RPVOT	120 min	Neat, ASTM D2272

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