

ExxonMobil Exterex™ A32 Synthetic Fluid

Category : Fluid , Lubricant

Material Notes:

Product Description: Esterex™ Adipate Esters are API category Group V fluids. These esters have excellent low-temperature properties, high viscosity indices, good lubricating properties and low volatilities. Esterex™ Adipate Esters can be used as sole basestocks or blendstocks with other synthetic fluids in many automotive and industrial lubricant applications. These esters are ideal in high-temperature conditions, such as reciprocating air compressors, where discharge valve cleanliness is required. **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-A32-Synthetic-Fluid.php

Physical Properties	Metric	English	Comments
Density	0.928 g/cc	0.0335 lb/in ³	ASTM D4052
	@Temperature 15.6 °C	@Temperature 60.1 °F	
Viscosity Measurement	19	19	Index; ASTM D2270
Kinematic Viscosity	985 cSt	985 cSt	ASTM D445
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Kinematic Viscosity at 40°C (104°F)	9.5 cSt	9.5 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	2.8 cSt	2.8 cSt	ASTM D445
Evaporation Loss	53 %	53 %	ASTM D972
	@Temperature 205 °C, Time 23400 sec	@Temperature 401 °F, Time 6.50 hour	

Thermal Properties	Metric	English	Comments
Pour Point	-65.0 °C	-85.0 °F	ASTM D5950/D97
Flash Point	207 °C	405 °F	COC; ASTM D92
	238 °C	460 °F	PMCC; ASTM D92

Optical Properties	Metric	English	Comments
Refractive Index	1.4465	1.4465	ASTM D1218

Chemical Properties	Metric	English	Comments
Acid Value	<= 0.080	<= 0.080	[mg KOH/g]; ASTM D974 (mod)

Descriptive Properties	Value	Comments
Aniline Point	<68°F	ASTM D611
Biodegradation	0.702	OECD 301F
Color	<0.5	ASTM D1500
Composition	Water	<50 ppm, ASTM D6304 (mod)
Density Correction Factor	0.000756 (g/cc)/°C	ASTM D1250
Elastomer Compatibility	-0.067	Fluoroelastomer Elongation Change, ASTM D471
	-0.18	Fluoroelastomer Hardness Change, ASTM D471
	-0.18	Nitrile Hardness Change, ASTM D471
	-0.224	Polyacrylate Elongation Change, ASTM D471
	-0.23	Polyacrylate Hardness Change, ASTM D471
	0.281	Fluoroelastomer Volume Change, ASTM D471
	0.413	Nitrile Volume Change, ASTM D471
	-0.424	Fluoroelastomer Tensile Strength Change, ASTM D471
	-0.449	Nitrile Elongation Change, ASTM D471
	-0.55	Polyacrylate Tensile Strength Change, ASTM D471
	-0.607	Nitrile Tensile Strength Change, ASTM D471
	0.728	Polyacrylate Volume Change, ASTM D471
Fire point	460°F	COC, ASTM D92
Hydrolytic Stability, TAN Change	0.10 mg KOH/g	ASTM D2619
Kauri-Butanol Value	106.5	ASTM D1133
Noack Volatility	0.303	ASTM D5800/DIN 51581
RPVOT	>1210 min	With AO, ASTM D2272
	315 min	Neat, ASTM D2272

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