

ExxonMobil 32 Mobil EAL Arctic Series

Category : Fluid , Lubricant

Material Notes:

Mobil EAL Arctic Series are high performance Environmental Awareness Lubricants (EAL) that are fully synthetic products designed specifically for the lubrication of refrigeration compressors and systems, using ozone-friendly HFC refrigerants. (HFCs are chlorine-free products replacing chlorine-containing refrigerants in the world market). Mobil EAL Arctic Series oils are formulated from proprietary synthesised polyol esters (POEs) and a unique additive system to provide outstanding lubricity, wear protection, chemical and thermal stability, and hydrolytic stability. They are miscible with HFC refrigerants and have well-defined viscosity/temperature/pressure relationships with widely used HFCs. The performance of the Mobil EAL Arctic Series has been well documented with HFCs in a broad range of refrigeration and air conditioning systems and are used by many major compressor and system builders around the world. Mobil EAL Arctic Series are available in ISO Viscosity grades 15 to 220. They are recommended for use in household and commercial refrigeration and air conditioning systems where HFC refrigerants are used. Application considerations: Mobil EAL Arctic Series oils are hygroscopic and care must be taken to avoid moisture absorption during handling. Packages should be tightly closed when not in use. Product should not be transferred to plastic containers that may allow moisture ingress. Mobil EAL Arctic Series oils are recommended for refrigeration systems where HFC refrigerants are used. Specific applications include: Household refrigeration such as refrigerators, freezers, air conditioners and heat pumps; Commercial refrigeration applications such as business, shopping mall and hotel air conditioning, and low temperature transportation; Industrial applications such as food preparation and freezing, as well as cryogenic applications

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http://www.lookpolymers.com/polymer_ExxonMobil-32-Mobil-EAL-Arctic-Series.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.980 g/cc	0.980 g/cc	15°C; ASTM D1298
Viscosity Measurement	115	115	Index; ASTM D2270
Kinematic Viscosity at 40°C (104°F)	34.2 cSt	34.2 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	5.8 cSt	5.8 cSt	ASTM D445

Thermal Properties	Metric	English	Comments
Pour Point	-48.0 °C	-54.4 °F	ASTM D97
Flash Point	236 °C	457 °F	ASTM D92

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.comEmail : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China