

Respina Frigix POE

Synthetic (POE) refrigerating compressor oil



Description

Respina Frigix POE are synthetic polyolester (POE) oils for refrigerating compressors (rotary or reciprocating) using HFC refrigerants such as R134a, R23, R404a, R507 and etc. They are recommended for use in open, semi-open and hermetic compressors in refrigeration systems.

Specification and Approvals

- DIN 51503-1 KD
- ISO 6743-3 DRD

Advantages & Benefits

- Excellent miscibility with HFC refrigerants
- Excellent cold temperature flowability
- Very high thermal and chemical stability in the presence of refrigerants
- Supreme anti-rust and anti-corrosion behavior

Typical Data

Property	POE 32	POE 46	POE 68	POE 100	POE 150	POE 220	Test method
Viscosity at 40°C	32	46	68	100	150	220	ASTM D445
Viscosity at 100°C	5.6	7.2	9	11.6	15.5	20.8	ASTM D445
Viscosity Index	115	115	106	105	105	111	ASTM D2270
Flash Point °C	+235	+235	+250	+254	+260	+264	ASTM D92
Pour Point °C	-54	-48	-42	-36	-33	-33	ASTM D97
Density kg/m ³	981	971	962	958	991	998	ASTM D4052

❖ The above data are typical and acceptable variation may occur during production. Also, some possible changes or modifications can be made upon customer request and specific needs.