

March 31, 2021

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Product Data Sheet

NOTE: The information in this publication is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patent. Due to widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suitability. Product typical properties in this publication are current.

SYNTHETIC REFRIGERATION COMPRESSOR

RPE SERIES

Summit's RPE Series are fully synthetic polyolester lubricants designed for use in refrigeration compressors using R-134A and other HFCs as the refrigerant. They have excellent chemical and thermal stability as well as superior lubricity characteristics with steel and aluminum. They are miscible with all HFCs, HCFCs, CFCs and blends. They were specifically developed for HFC refrigerants.

Physical Properties

PRODUCTS	RPE-15	RPE-32	RPE-46	RPE-68	RPE-100	RPE-120	RPE-170	RPE-220
ISO Grade	15	32	46	68	100	120	170	220
Viscosity								
@ 40°C, cSt	15.1	33	45.1	68.5	98.4	121.4	171.5	215.0
@ 100°C, cSt	3.65	5.8	7.2	9.5	11.3	12.6	16.5	18.8
Viscosity Index	130	118	121	117	101	95	101	98
Specific Gravity	0.982	0.977	0.977	0.980	0.975	0.9751	0.9763	0.975
Flash Point, F° (°C)	442 (228)	471 (244)	493 (256)	520 (271)	525 (274)	545 (285)	585 (307)	536 (280)
Fire Point, F° (°C)	475 (246)	511 (266)	530 (276)	565 (296)	550 (288)	590 (310)	630 (332)	572 (300)
Pour Point, F° (°C)	-96 (-71)	-58 (-50)	-54 (-48)	-44 (-42)	-38 (-39)	-29 (-34)	-27 (-33)	-13 (-25)
Density, lb/gal	8.18	8.14	8.14	8.16	8.12	8.12	8.13	8.11

Shelf Life: Product shelf life is 5 years from the date of manufacture, after which the product should be recertified prior to use.

