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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 as of June 21, 2007.

## SYNTHETIC REFRIGERATION COMPRESSOR

### RPA SERIES

*Summit RPA Series is a synthesized hydrocarbon-alkylate 100% full-synthetic formulation for reciprocating, rotary, and centrifugal refrigeration compressor applications using any of several refrigerants including ammonia (R717), R12, R13, R22, R113, R114, R123, R401A, R401B, R402B, R409A, R500, R502 and R503.*

*Summit RPA Series is not compatible with R134A and most HFCs. This product is extremely stable at higher compression temperatures while providing excellent low temperature properties at low evaporator temperatures. Performance and cost benefits include:*

- Reduced oil carryover and accumulation in the evaporator
- Reduced oil consumption- Up to 70% less vs. mineral oils
- Reduced deposit formation & low foaming tendency
- Excellent seal, paint & plastic compatibility
- Extended lubricant service life- Up to 5 times longer vs. mineral oils
- Chemically stable in the presence of normal levels of water & air
- Extended lubricant service life vs. mineral oils

### Physical Properties

PRODUCTS	RPA-32	RPA-46	RPA-68	RPA-100
ISO VG Grade	32	46	68	100
Viscosity				
@ 0°C, cSt	314	497	887	1776
@ 40°C, cSt	31.3	43.6	61.8	91.5
@ 100°C, cSt	5.45	6.47	8.89	10.48
Viscosity Index	109	97	119	96
Four Ball Wear, mm	0.66	0.53	0.85	0.66
Pour Point, °F (°C)	-49(-45)	-33(-36)	-65(-54)	-22(-30)
Flash Point, °F (°C)	380(193)	395(202)	465(241)	375(191)
Specific Gravity	0.8480	0.8500	0.8405	0.8570
TAN	<0.1	<0.1	<0.1	<0.1