

RPE Series

Fully synthetic polyolester lubricants



Your benefits at a glance

- Excellent chemical and thermal stability
- Superior lubricity characteristics with steel and aluminum

Your requirements - our solution

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.

Application

Refrigeration compressors using R-134A and other HFCs as refrigerant

Material safety data sheets

Material safety data sheets can be requested via our website <https://www.klsummit.com>. You may also obtain them through your contact person at Summit Lubrication.

Characteristics	RPE-32	RPE-46	RPE-68	RPE-100
Article number	340524	340525	340526	340527
Density	0.982 g/cm ³	0.981 g/cm ³	0.98 g/cm ³	0.973 g/cm ³
Fire point	266 °C	276 °C	296 °C	288 °C
Flash point	240 °C	252 °C	250 °C	260 °C
Kinematic viscosity, 100°C	5.8 mm ² /s	7.2 mm ² /s	9.5 mm ² /s	11.3 mm ² /s
Kinematic viscosity, 40°C	33.0 mm ² /s	45.1 mm ² /s	68.5 mm ² /s	98.4 mm ² /s
Viscosity index	118	121	117	101
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346, based on standard	-50 °C	-48 °C	-42 °C	-39 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	60 months	60 months	60 months	60 months

Characteristics	RPE-120	RPE-170	RPE-220
Article number	340375	340343	340285
Density	0.96 g/cm ³	0.97 g/cm ³	0.967 g/cm ³
Fire point	310 °C	332 °C	300 °C
Flash point	240 °C	255 °C	270 °C
Kinematic viscosity, 100°C	12.6 mm ² /s	16.5 mm ² /s	18.8 mm ² /s
Kinematic viscosity, 40°C	121.4 mm ² /s	171.5 mm ² /s	215 mm ² /s

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Characteristics	RPE-120	RPE-170	RPE-220
Viscosity index	95	101	98
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346, based on standard	-34 °C	-33 °C	-25 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	60 months	60 months	60 months

Summit Lubrication

Your expert in specialty lubricants. Since 1982, we have partnered with you to bring you the right solution and advanced lubrication technologies. With over 500 products, from air and gas compressor oils to refrigeration oils, we develop top-of-the-line products tailored to your specific needs. Your success is our success.

Summit Lubrication a brand of Klüber Lubrication NA LP /
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