

EVEREST® 100

Synthetic Refrigeration Lubricant

DESCRIPTION

EVEREST® 100 is a formulated ISO 100 grade synthetic polyol ester refrigeration lubricant compatible with HFC refrigerants, including R-134a, R-404A, R-407C and R-410A.

FEATURES & BENEFITS:

- Compatible with HCFC & HFC refrigerants
- Suitable for use with R-134a, R-404A, R-407C, R410A and R-22 retrofit blends such as R 422D and R-427

APPLICATIONS:

Reciprocating, rotary, scroll, centrifugal/screw refrigeration compressors

SPECIFICATION PROPERTIES OF EVEREST® 100

PROPERTY	SPECIFICATIONS	METHOD
Appearance	Bright and Clear Liquid	Visual
Kinematic Viscosity @ 100 °C, cSt	9.5 - 11.6	ASTM D-445
@ 40 °C, cSt	90.0 - 105.0	ASTM D-445
Pour Point, °C	- 30 max	ASTM D-5950
Density @ 15.6°C, lbs./gal	8.00 - 8.10	ASTM D-4052
Total Acid Number, mg KOH/g	0.10 max	ASTM D-974 mod
Water, ppm	50 max	ASTM D-1533
ASTM Color	0.5 max	ASTM D-1500



TYPICAL PROPERTIES OF EVEREST® 100

PROPERTY	TYPICAL INSPECTIONS	METHOD
Kinematic Viscosity @ 100 °C, cSt	10.6	ASTM D-445
@ 40 °C, cSt	95.7	ASTM D-445
Viscosity Index	93	ASTM D-2270
Total Acid Number, mg KOH/g	0.02	ASTM D-974 mod
Flash Point, °C	271	ASTM D-92
Pour Point, °C	-34	ASTM D-5950
Specific Gravity, 15.6 °C/15.6 °C	0.967	ASTM D-4052
Density @ 15.6 °C, lbs/gal	8.05	ASTM D-4052
Water, ppm	25	ASTM D-1533
Low Temperature Miscibility Limit (10 Vol % lubricant in refrigerant, °C)		Sealed Tube
R-134a	-35	
R-404A	-60	
R-407C	-19	
R-410A	-19	



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