

EVEREST® 120

Synthetic Refrigeration Lubricant

DESCRIPTION

EVEREST® 120 is a fully formulated ISO 120 grade synthetic polyol ester refrigeration lubricant with excellent thermal stability, lubricity and load carrying performance that is compatible with HFC refrigerants, including R-134a, R-404A and R-410A.

APPLICATIONS:

Rotary, scroll and centrifugal/screw refrigeration compressors

FEATURES & BENEFITS:

- Compatible with HCFC & HFC refrigerants
- Suitable for use with R-134a, R-404A, R-410A

SPECIFICATION PROPERTIES OF EVEREST® 120

PROPERTY	SPECIFICATIONS	METHOD
Appearance	Bright and Clear Liquid	Visual
Kinematic Viscosity @ 100 °C, cSt	11.5 - 13.5	ASTM D-445
@ 40 °C, cSt	108 - 132	ASTM D-445
Pour Point, °C	-20 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® 120

PROPERTY	TYPICAL INSPECTIONS	METHOD
Kinematic Viscosity @ 100 °C, cSt	12.4	ASTM D-445
@ 40 °C, cSt	122	ASTM D-445
Viscosity Index	91	ASTM D-2270
Total Acid Number, mg KOH/g	0.01	ASTM D-974 mod
Flash Point, °C	271	ASTM D-92
Pour Point, °C	-30	ASTM D-5950
Specific Gravity, 15.6 °C/15.6 °C	0.966	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	< -30	
R-404A	< -55	
R-410A	< -15	



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