

EVEREST® 220

Synthetic Refrigeration Lubricant

DESCRIPTION

EVEREST® 220 is a formulated ISO 220 grade synthetic polyol ester refrigeration lubricant. It is compatible with HFC refrigerants, including R-134a, R-404A and R-407C.

APPLICATIONS:

Reciprocating and centrifugal/screw refrigeration compressors.

FEATURES & BENEFITS:

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

SPECIFICATION PROPERTIES OF EVEREST® 220

PROPERTY	SPECIFICATIONS	METHOD
Appearance	Bright and Clear Liquid	Visual
Kinematic Viscosity @ 100 °C, cSt	16.6 - 20.4	ASTM D-445
@ 40 °C, cSt	198 - 242	ASTM D-445
Pour Point, °C	-21 max	ASTM D-5950
Density @ 15.6°C, lbs./gal	7.99 - 8.09	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® 220

PROPERTY	TYPICAL INSPECTIONS	METHOD
Kinematic Viscosity @ 100 °C, cSt	18.1	ASTM D-445
@ 40 °C, cSt	221.3	ASTM D-445
Viscosity Index	88	ASTM D-2270
Total Acid Number, mg KOH/g	0.03	ASTM D-974 mod
Flash Point, °C	285	ASTM D-92
Pour Point, °C	-28	ASTM D-5950
Specific Gravity, 15.6 °C/15.6 °C	0.965	ASTM D-4052
Density @ 15.6 °C, lbs/gal	8.04	ASTM D-4052
Water, ppm	25	ASTM D-1533
Low Temperature Miscibility Limit (10 Vol % lubricant in refrigerant, °C)		Sealed Tube
R-134a	-21	
R-404A	-52	
R-407C	-17	



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North America

+1.800.325.6252
customer.care@chemtura.com

Europe, Middle East & Africa

+44.161.875.3800
emea.export@chemtura.com

South & Central America

+55.19.3522.5000
Atendimento.cliente@chemtura.com

Asia Pacific

+86.21.3866.6509
orders.apac@chemtura.com

