



Emkarate® RL170H

Typical Properties Data Sheet

Product Description:

Emkarate RL170H is a cSt 170 synthetic polyol ester (POE) lubricant formulated specifically for use in refrigeration and air-conditioning compressors using HFC refrigerants. This product provides effective wear protection for steel and aluminium surfaces for increased system life and improved efficiency and is suitable for both initial fill and service fill. The combination of low temperature characteristics and unparalleled chemical and thermal stability enable the use of Emkarate RL170H over a wide operating temperature range.

Analysis	Method	Typical Value
Viscosity @ 40°C (cSt)	ASTM D445	170
Viscosity @ 100°C (cSt)	ASTM D445	17.0
Viscosity Index	ASTM D2270	107
Pour Point (°C)	ASTM D97	-25
Density @ 20°C (g/ml)	ASTM D1298	0.968
Flash Point COC (°C)	ASTM D92	290
Acid Value (mg KOH/g)	ASTM D974	0.02
Colour (Hazen units)	ISO 2211	150
Miscibility (Low °C) 10% Lube in R134a	In House	Immiscible at RT
Miscibility (High °C) 10% Lube in R134a	In House	Immiscible
Water (ppm)	ASTM 6304	25

*These values are not intended for use in preparing specifications.
Additional technical information is available upon request.*

North & South America
The Lubrizol Corporation
2300 James Savage Rd.
Midland, MI 48642, USA
Phone: 989-496-3780
Email: sales@cpifluideng.com

Europe, Middle East & Africa
Lubrizol Limited
Pavilion One, Belasis Court
Greenwood Road
Stockton-on-Tees
TS23 4AZ, UK
Phone: +44 1642 565266
Email: euafricamesales@cpifluideng.com

Asia-Pacific
Lubrizol Southeast Asia (Pte) Ltd
44 Tanjung Penjuru
Singapore 609032
Phone: +65-66638 684
Email: asiasales@cpifluideng.com

www.emkarateRL.com

www.cpifluideng.com



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