

Emkarate® RL 46H

Typical Properties Data Sheet



Description

Emkarate® RL46H is an ISO VG 46 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 aluminum 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® RL46H** over a wide operating temperature range.

Analysis	Method	Typical Value
Viscosity @ 40°C (cSt)	ASTM D445	46.8
Viscosity @ 100°C (cSt)	ASTM D445	7.3
Viscosity Index	ASTM D2270	118
Pour Point (°C)	ASTM D97	-48
Density @ 20°C (g/ml)	ASTM D1298	0.978
Flash Point COC (°C)	ASTM D92	260
Acid Value (mg KOH/g)	ASTM D974	0.03
Colour (Hazen units)	ISO2211	70
Water (ppm)	ASTM D6304	40
Miscibility (Low °C) 10% Lube in R134a	In House	-34
Miscibility (High °C) 10% Lube in R134a	In House	>80
Hydroxyl Value (mg. KOH/g)	ASTM E326	4

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

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