

# Emkarate<sup>®</sup> RL 100H

## Typical Properties Data Sheet

### Product Description:

Emkarate RL 100H is an ISO VG 100 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 RL 100H over a wide operating temperature range.

Analysis	Method	Typical Value
Viscosity @ 40°C (cSt)	ASTM D445	96.5
Viscosity @ 100°C (cSt)	ASTM D445	11.3
Viscosity Index	ASTM D2270	103
Density @ 20°C (g/ml)	ASTM D1298	0.969
Pour Point (°C)	ASTM D97	-28
Flash Point COC (°C)	ASTM D92	260
Acid Value (mg KOH/g)	ASTM D974	<0.05

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



North America:  
2300 James Savage Road  
Midland, MI 48642  
Phone: 989 496-3780  
Fax: 989 496-2313

Europe:  
Belasis Business Centre  
Greenwood Road  
Stockton-on-Tees  
TS23 4EA, UK  
Phone: +44 1642 565266  
Fax: +44 1642 566224

Asia:  
27F, Majesty Building  
138 Pu Dong Avenue  
Pu Dong New District  
Shanghai, China 200120  
Phone: 86 21 3866 0568  
Fax: 86 21 5887 6939