

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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