



## Technical Data sheet

# ILS SYN COOL 2294

## Synthetic Refrigeration Compressor Lubricant

### Description

ILS SYN COOL 2294 is a synthetic refrigeration oil formulated from selected Polyalphaolefin (PAO) base fluids.

### Typical Applications

ILS SYN COOL 2294 is specifically designed for refrigeration systems using screw type compressors in conjunction with very low evaporation temperatures. ILS SYN COOL 2294 may also be specified for certain systems using reciprocating compressors with high compression ratios and high discharge temperatures. The very low pour point enables ILS SYN COOL 2294 to be used in systems where evaporator temperatures are extremely low.

However, because of low miscibility with R22, ILS SYN COOL 2294 is not suitable for use in refrigeration systems using flooded evaporators, unless efficient oil separators or some other method of oil recovery is provided.

### Advantages

- Low miscibility and solubility with R22 - gives significant advantages in screw type compressors where refrigerant absorption can reduce lubricant viscosity to unacceptably low levels and adversely affect volumetric efficiency.
- Very low Pour Points - allows the use in refrigeration systems with extremely low evaporator temperatures.

### Typical Properties

	UNIT	METHOD	TYPICAL
Appearance	-	Visual	Clear Liquid
Density @ 20°C / 68°F	kg/m <sup>3</sup>	ISO 12185 / ASTM D4052	835
Kinematic Viscosity @ 40°C	mm <sup>2</sup> /s	ISO 3104 / ASTM D445	68
Kinematic Viscosity @ 100°C	mm <sup>2</sup> /s	ISO 3104 / ASTM D445	10.7
Viscosity Index	-	ISO 2909 / ASTM D2270	147
Pour Point	°C/°F	ISO 3016 / ASTM D9	-50 / -68
Flash Point - closed cup method	°C/°F	ISO 2719 / ASTM D93	235 / 455

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