

# Opt-Max Refonix HFC (S) 32, 46, 68, 100

## SYNTHETIC REFRIGERATOR OIL

Opt-Max Refonix HFC (S) 32, 46, 68, 100, are synthetic polyol ester oils for use with in HFC type refrigerants.

---

### Product Description

Opt-Max Refonix HFC (S) 32, 46, 68, 100, are premium quality refrigeration oils made from synthetic Polyol Ester (POEs). Opt-Max Refonix HFC (S) refrigeration oil have excellent high temperature and oxidation stability with very good anti-wear properties. Opt-Max Refonix HFC (S) 32, 46, 68, 100, are suitable for use with ozone friendly HFC type refrigerants such as R134a.

### Features and Benefits

- Excellent high temperature and oxidation stability.
- Very good anti-wear properties.
- Compatible with most sealing materials commonly used with HFC refrigerant systems.

### Applications

- Suitable for use in domestic, commercial, industrial reciprocating and rotary refrigeration compressors.
- Suitable for use with R134a and other types of HFC refrigerant.
- **NOTE:** Due to the hygroscopic nature of the base fluid it is recommended that, when filling the system, air contact should be avoided as much as possible. Once an open oil pack has been opened it must be sealed carefully after use and the remaining contents should be used within a few days.

---

Opt-Max Global Pte Ltd

E-Mail: [Sales@Opt-Max.com](mailto:Sales@Opt-Max.com) • Website: <http://www.Opt-Max.com>

Address: 73 Ubi Road 1 #09-49 Oxley Bizhum , Tel: 65 6285 7833

## Specifications

Product Properties		Opt-Max Refonix HFC (S) 32	Opt-Max Refonix HFC (S) 46	Opt-Max Refonix HFC (S) 68	Opt-Max Refonix HFC (S) 100	Opt-Max Refonix HFC (S) 220	Testing Methods
ISO Viscosity Grade	-	32	46	68	100	220	-
Kinematic Viscosity (40°C)	mm <sup>2</sup> /s	34.2	49.2	68.0	105.0	226	ASTM D445
Kinematic Viscosity (100°C)	mm <sup>2</sup> /s	5.8	7.3	8.7	11.6	18.5	ASTM D445
Viscosity Index	-	115	115	95	-	90	ASTM D2270
Density at 15 °C	Kg/m <sup>3</sup>	980	970	960	960	960	ASTM D4052
Flash Point (open)	°C	236	230	230	-	290	ASTM D92
Pour Point	°C	-48	-42	-36	-30	-21	ASTM D97

\* Above product properties are indicative and subject to change without prior notice.

## Storage and Handling

- All storage equipment, tanks, pipes, valves and etc. apparatus have to be cleaned thoroughly and inspected to be clean for use before transferring or transporting Opt-Max Refonix HFC (S) 32, 46, 68, 100.
- Opt-Max Refonix HFC (S) 32, 46, 68, 100 must be stored in dedicated storage tanks/equipment and it is recommended to be stored in an indoor controlled environment.
- Storage tanks/equipment must be waterproof, mist-proof and free from other mechanical particles.
- Opt-Max Refonix HFC (S) 32, 46, 68, 100 must be clearly labelled properly during the entire transportation process to prevent the risk of mixing with other petro-chemical product.

## Health and Safety

Opt-Max Refonix HFC (S) 32, 46, 68, 100 are unlikely to present any significant health or safety hazard when properly used in the recommended application. These products must always be handled with care, particularly avoiding skin contact. For further guidance on Product Health & Safety refer to the appropriate Opt-Max Refonix HFC (S) 32, 46, 68, 100 Material Safety Data Sheet.

**Opt-Max Global Pte Ltd**

E-Mail: [Sales@Opt-Max.com](mailto:Sales@Opt-Max.com) • Website: <http://www.Opt-Max.com>

Address: 73 Ubi Road 1 #09-49 Oxley Bizhum , Tel: 65 6285 7833