

ArChine Refritech FPR 100

Food Grade Polyalphaolefin refrigeration lubricant

Product Description

ArChine Refritech FPR 100 is a high quality food grade synthetic polyalphaolefin (PAO) refrigeration lubricant. It is specially formulated for severe service under conditions that are beyond the capabilities of conventional mineral oils. In addition, ArChine Refritech FPR 100 improves the performance and efficiency of standard refrigeration systems to conventional mineral oils, and compatibility with mineral oils and equipment designed for use with mineral oils.

ArChine Refritech FPR 100 has very low pour point, zero wax content, a high natural viscosity index and high thermal stability. It also offers high chemical stability, a low volatility and a high film strength. Due to these properties, ArChine Refritech FPR 100 provides a long service life.

USDA/NSF has approved ArChine Refritech FPR 100 under their H-1 specification for incidental contact with food. The oil complies with FDA guidelines for food contact listed in CFR Title 21 Part 178, Section 178.3570.

Features

- Excellent coolant properties
- Carbon and varnish control to help reduce deposits
- Good anti-wear properties and corrosion protection
- Controls rust for enhanced component protection
- Extended oil change intervals, reducing servicing costs to a minimum
- Increased oxidation protection and superior thermal stability

Application

ArChine Refritech FPR 100 is recommended for flooded screw compressors which are operated with ammonia(R717) or CO₂(R744) in food industry. This product can also be used with natural hydrocarbon refrigerants like propane(R290), propylene(R1270) or butane(R600).

Distributor Wanted

Shanghai PingYiao Trading CO., Ltd.

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Typical Properties*

ArChine Refritech FPR 100	Standard Specification
Appearance	Light yellow transparent liquid
Density@20°C, g/cm ³	0.845
Viscosity@40°C, mm ² /s	98.6
Viscosity@100°C, mm ² /s	13.53
Viscosity Index	137
Flash Point (open cup, °C)	249
Fire Point, °C	270
Pour Point, °C	-45
Foaming 24°C	10/0
Copper corrosion, 100°C/3hr,grade	1

*Typical data shall not be used as product specifications.

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