

Polyalphaolefin Refrigeration Compressor Oil

Description

DAYAN REFRIGERATION OIL PS is formulated using polyalphaolefin (PAO) synthetic base fluids. The DAYAN REFRIGERATION OIL PS is recommended for refrigeration services due to excellent low temperature properties. They are wax free as they are synthetic fluids. A low pour point prevents lubricants from congealing in refrigeration lines. High film strength provides lubricity even when diluted with refrigerant.

Features and benefits

- Hydrocarbon miscibility
- Oxidatively stable
- Low volatility
- Excellent lubricity
- High viscosity index

Application

- Propylene refrigeration
- Oil flooded rotary screw compressors
- Liquid ring vacuum pumps
- Other applications requiring an oxidative and thermally resistant lubricant
- Refrigerant compressor with ammonia, hydrocarbons and CO₂ gas

Storage and Handling

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

The DAYAN trademark is registered and protected in Iran.

Technical Data

Test	Units	Method	Refrigeration PS 32	Refrigeration PS 68	Refrigeration PS 100
ISO Viscosity Grade	-	-	32	68	100
Refrigeration Oil group	-	DIN 51503	HFC , HCFC , HFO	HFC , HCFC , HFO	HFC , HCFC , HFO
Kinematic Viscosity at 40°C	mm ² /s	ASTM D445	32	68	99
Kinematic Viscosity at 100°C	mm ² /s	ASTM D445	6	10.5	14,4
Viscosity Index	-	ASTM D2270	135	140	142
Density at 15 °C	Kg/m ³	ASTM D2270	0.83	0,84	0,84
Flash Point	°C	ASTM D92	230	240	250
Pour Point	°C	ASTM D5985	<-42	<-42	<-42

Note:

1- The Typical characteristics are given as a guide only and may vary according to latest production according to ISO.