

# PRODUCT INFORMATION

Synthetic H1 Food Grade  
Refrigeration Compressor Oil



# FRAGOL

## FRAGOL REF P 68 FG

FRAGOL REF P 68 FG is a synthetic ISO VG 68 high performance refrigeration compressor lubricant based on poly-alpha-olefins (PAO) which utilises latest available additive technology. FRAGOL REF P 68 FG provides outstanding resistance to chemical degradation and low temperature fluidity required in ammonia compressors used in the food-, feed- and pharmaceutical industries.

FRAGOL REF P 68 FG meets the requirements of FDA 21 CFR 178.3570 and is H1-registered for processes where incidental food contact can occur. All FRAGOL H1-registered products are manufactured according to ISO 21469:2006 which supports producers' HACCP and GMP programs. FRAGOL H1-lubricants do not contain ingredients of animal origin or genetically modified products and are KOSHER and HALAL certified.

### APPLICATIONS

- Compressors needing a lubricant immiscible to the refrigerant Ammonia (NH<sub>3</sub>)

### BENEFITS

- Extended drain intervals
- Very good low temperature fluidity
- Excellent oxidation stability
- Outstanding thermal resistance
- Good water separation and air release
- High wear protection
- No deposit/lacquer formation

### TYPICAL CHARACTERISTICS

FRAGOL REF P 68 FG	Value	Unit	Method
Temperature range	-50 to 140	°C	-
Appearance	clear, yellow liquid	-	visual
Viscosity @ 40 °C	66.6	mm <sup>2</sup> /s	ASTM D-445
Viscosity @ 100 °C	10.27	mm <sup>2</sup> /s	ASTM D-445
VI	140	-	ASTM D-2270
Density @ 15.6 °C	0.837	kg/l	ASTM D-1298
Total acid number	0.07	mg KOH/g	ASTM D-664
Flash point (COC)	272	°C	ASTM D-92
Pour point	-54	°C	ASTM D-97

### SPECIFICATIONS

FRAGOL REF P 68 FG meets or exceeds the requirements of the following specification:

ISO-L-DRA (according to ISO 6743-3)

### COMPATIBILITY

FRAGOL REF P 68 FG is based on synthetic hydrocarbons and has characteristics very similar to mineral oils with regard to its compatibility with seals, gaskets, hoses and paints. There are no special requirements when replacing mineral oil or other PAO-based lubricants. Flushing is recommended to remove remaining residues.

2021-03. All the above information is represented to the best of our knowledge. However, we do not take any legal responsibility for the correctness of this information or viability for use in certain applications. Technical data represent approximate values and are subject to the usual production fluctuations.