



## FRAGOL COMP P 100 FG

FRAGOL COMP P 100 FG is a synthetic ISO VG 100 high performance compressor lubricant based on a mixture of poly-alpha-olefins (PAO) which utilises latest available additive technology providing outstanding resistance to oxidation and thermal degradation required in rotary-vane and piston compressors used in the food-, feed- and pharmaceutical industries.

FRAGOL COMP P 100 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.

Note that contact should be avoided with gasses containing reactive and acidic components, e.g.: Hydrogen Halides (HF, HBr, HCl), Sulphur Oxides (SO<sub>2</sub>, SO<sub>3</sub>), Nitrogen Oxides (NO<sub>x</sub>) and other acid gasses such as H<sub>2</sub>S. Contact our technical team for alternative solutions for such applications.

### APPLICATIONS

- Reciprocation compressors
- Vane compressors operating under moderate temperature and load conditions
- Vacuum pumps providing low to medium vacuum

### BENEFITS

- Excellent oxidation stability
- Outstanding thermal resistance
- Good water separation and air release
- High wear protection
- Extended drain intervals
- No deposit/lacquer formation
- Reduced power consumption

### TYPICAL CHARACTERISTICS

FRAGOL COMP P 100 FG	Value	Unit	Method
<b>Temperature range</b>	-25 to 160	°C	-
<b>Appearance</b>	clear liquid	-	visual
<b>Viscosity @ 40 °C</b>	102.4	mm <sup>2</sup> /s	ASTM D-445
<b>Viscosity @ 100 °C</b>	14.1	mm <sup>2</sup> /s	ASTM D-445
<b>VI</b>	140	-	ASTM D-2270
<b>Density @ 15.6 °C</b>	0.853	kg/l	ASTM D-1298
<b>Total acid number</b>	0.7	mg KOH/g	ASTM D-664
<b>Flash point (COC)</b>	241	°C	ASTM D-92
<b>Pour point</b>	-39	°C	ASTM D-97
<b>Copper corrosion</b>	1a	-	ASTM D-130
<b>Steel corrosion</b>	pass	-	ASTM D-665 B
<b>Demulsibility @ 54 °C</b>	13	min.	ASTM D-1401
<b>FBW @ 40kg/1Hr/75 °C/1200rpm</b>	0.31	mm	ASTM D-4172
<b>Welding load</b>	200	kg	ASTM D-2783

### SPECIFICATIONS

FRAGOL COMP P 100 FG meets or exceeds the requirements of the following specifications:

DIN 51506:2017-08 VDL  
ISO-L-DAA / DAJ / DVA / DVC (according to ISO 6743-3)

### COMPATIBILITY

FRAGOL COMP P 100 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.