



# TECHNICAL DATA

Rev.06/19

## SYNFRIG PAO FG-SERIES SYNTHETIC FOOD GRADE REFRIGERATION COMPRESSOR

Petrochem's SYNFRIG PAO FG-SERIES synthetic hydrocarbon refrigeration lubricants are designed to function under severe service conditions. These fluids have a very high viscosity index, contain no paraffin and are compatible with various fluorinated refrigerants, ammonia, methyl chloride and carbon dioxide. SYNFRIG PAO FG-Series is completely miscible with petroleum-based fluids.

### PRODUCT APPLICATION:

- SYNFRIG FG-32 is designed to operate in rotary compressors requiring an ISO 32 viscosity rating.
- SYNFRIG FG-68 is designed to operate in rotary screw compressors requiring an ISO 68 viscosity rating.
- SYNFRIG FG-100 is designed to operate in reciprocating compressors requiring an ISO 100 rating.

### PHYSICAL PROPERTIES:

| PRODUCTS<br>SYNFRIG FG SERIES | FG-32      | FG-46      | FG-68      | FG-100     |
|-------------------------------|------------|------------|------------|------------|
| ISO GRADE                     | 32         | 46         | 68         | 100        |
| Specific Gravity              | 0.8274     | 0.8323     | 0.8357     | 0.8386     |
| Viscosity @ 40° C, cSt        | 31.0       | 45.8       | 63.3       | 95         |
| Viscosity @ 100° C, cSt       | 5.9        | 7.80       | 10.0       | 13.9       |
| Viscosity Index               | 135        | 136        | 143        | 149        |
| Pour Point, ° F (°C)          | -87 (-66)  | -78 (-61)  | -54 (-48)  | -60 (-51)  |
| Flash Point, ° F (°C)         | 485 (252)  | 510 (266)  | 525 (274)  | 540 (282)  |
| Fire Point, °F (°C)           | 520 (271)  | 530 (277)  | 540 (282)  | 555 (291)  |
| NSF Registered                | H-1<br>Yes | H-1<br>Yes | H-1<br>Yes | H-1<br>Yes |

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