

# Respina SynGear FG-PA

Food-grade synthetic (PAO) industrial gear oil



## Description

Respina SynGear FG-PA oils are synthetic gear and multipurpose oils for the food-processing and pharmaceutical industries. They are formulated from NSF registered base fluids/additives and are developed for the lubrication of spur, bevel and worm gears subject to high loads, bearings, spindles, joints as well as lifting, drive and transport chains.

## Specification and Approvals

- DIN 51517 Part 3 CLP
- ISO 12925-1 type CKD
- ISO 21469

## Advantages & Benefits

- Allows use in food and beverage packaging and processing applications
- High viscosity index together with low and high temperature performance
- Good wear protection for gears and rolling bearings
- High load carrying capability

## Typical Data

| Property                  | FG-PA<br>68 | FG-PA<br>100 | FG-PA<br>150 | FG-PA<br>220 | FG-PA<br>320 | FG-PA<br>460 | FG-PA<br>680 | Test method |
|---------------------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|
| Viscosity at 40°C         | 68          | 100          | 150          | 220          | 320          | 460          | 680          | ASTM D445   |
| Viscosity at 100°C        | 10.7        | 14.2         | 19           | 25           | 33.5         | 44           | 59           | ASTM D445   |
| Viscosity Index           | 145         | 145          | 145          | 145          | 147          | 148          | 152          | ASTM D2270  |
| Flash Point °C            | +230        | +240         | > 250        | > 250        | > 250        | > 250        | > 250        | ASTM D92    |
| Pour Point °C             | -54         | -51          | -48          | -48          | -39          | -36          | -30          | ASTM D97    |
| Density kg/m <sup>3</sup> | 860         | 850          | 850          | 852          | 853          | 857          | 862          | ASTM D4052  |

❖ The above data are typical and acceptable variation may occur during production. Also, some possible changes or modifications can be made upon customer request and specific needs.