

# Syngear® FG PG Series

Synthetic gears/bearings



## Your benefits at a glance

- Better wear protection
- Thermal and oxidation stability
- Reduced sludge and deposit formation

## Your requirements - our solution

Summit Syngear Food Grade PG Series synthetic lubricants are polyglycol-based products for use in enclosed gear, bearings, and compressors where conditions demand the unique properties of these fluids. Use these lubricants where there is the potential for incidental contact with food or food packaging. Better wear protection, thermal and oxidation stability, and reduced sludge and deposit formation insure enhanced performance when compared with petroleum-based lubricants. These lubricants are NSF

Registered and meet USDA 1998 (H1) guidelines (lubricants with incidental food contact) for use in food plants. Summit is an ISO 21469 certified facility. Do not add this product directly to food.

## Application

Syngear Food Grade PG Series lubricants are incompatible with other oils. Care should be taken to prevent the two types of fluids from being mixed.

## Material safety data sheets

Material safety data sheets can be requested via our website <https://www.klsummit.com>. You may also obtain them through your contact person at Summit Lubrication.

Characteristics	SYNGEAR PG-150F	SYNGEAR PG-220F	Syngear PG-320F	SYNGEAR PG-460F
Article number	340093	340094	340095	340096
Density	1.042 g/cm <sup>3</sup>	1.043 g/cm <sup>3</sup>	1.047 g/cm <sup>3</sup>	1.048 g/cm <sup>3</sup>
Flash point	255 °C	232 °C	210 °C	232 °C
Kinematic viscosity, 100°C	27.2 mm <sup>2</sup> /s	41.3 mm <sup>2</sup> /s	57.0 mm <sup>2</sup> /s	78.1 mm <sup>2</sup> /s
Kinematic viscosity, 40°C	143 mm <sup>2</sup> /s	224 mm <sup>2</sup> /s	319 mm <sup>2</sup> /s	442 mm <sup>2</sup> /s
Viscosity index	229	238	247	259
Pour point	-45 °C	-45 °C	-42 °C	-42 °C
FZG scuffing test	12+	12+	12+	12+
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months	36 months	36 months	36 months

Characteristics	SYNGEAR PG-680F	SYNGEAR PG-1000F
Article number	340097	340538
Density	1.05 g/cm <sup>3</sup>	1.07 g/cm <sup>3</sup>
Flash point	232 °C	235 °C
Kinematic viscosity, 100°C	110.6 mm <sup>2</sup> /s	171.6 mm <sup>2</sup> /s

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Characteristics	SYNGEAR PG-680F	SYNGEAR PG-1000F
Kinematic viscosity, 40°C	650.3 mm <sup>2</sup> /s	1042 mm <sup>2</sup> /s
Viscosity index	268	286
Pour point	-42 °C	-33 °C
FZG scuffing test	12+	12+
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months	36 months

## Summit Lubrication

Your expert in specialty lubricants. Since 1982, we have partnered with you to bring you the right solution and advanced lubrication technologies. With over 500 products, from air and gas compressor oils to refrigeration oils, we develop top-of-the-line products tailored to your specific needs. Your success is our success.

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