

# GEAR-PLUS PFPE 250

INDUSTRIAL GEAR OILS

321203601



## HIGH TEMPERATURE INERT SYNTHETIC GEAR OIL BASED ON PFPE BASE STOCK

This product is an inert, non-flammable, and odorless PFPE oil that is transparent. It is highly appropriate for situations where corrosive liquids or gases are attacking the lubricant, as it is completely inert both physically and chemically. It provides outstanding lubrication under conditions where other synthetic or mineral lubricants would not perform and is completely compatible with commonly used elastomers, seals, gaskets, plastics, and metals. This lubricant is designed to be used in high-temperature environments, making it ideal for lubricating bearings, chains, and joints found in industries such as glass manufacturing, plastic film production, paint production, chemical processing, nuclear facilities, robotics, and aerospace. It is commonly used in ovens, drying and stabilizing units, and polymerization tunnels.

## CATEGORY

- Gear Oils

## BENEFITS

- Resistant against extreme temperatures
- Inert against chemicals
- Will not oxidize
- Excellent compatibility
- Extremely good EP properties
- Long life

PROPERTY	METHOD	VALUE
Base oil type		Perfluoropolyether
Colour	Visual	Colourless
Density @ 20 °C, kg/dm <sup>3</sup>	ASTM D1298	1.91
Viscosity @ 40 °C, mm <sup>2</sup> /s	ASTM D445	250
Viscosity index		134
Flash point, °C		None
Pour point (max), °C	ASTM D97	-25
Temperature range		-25 - 270
Volatility, 22 h @ 204 oC, % weight	ASTM D972	<5
Vapour pressure @ 38 oC (torr)	Knudsen	8x10 <sup>-8</sup>
4-ball wear test, 20 kg @ 107 oC - Welding load, daN	ASTM D4172	390
Behaviour under ionizing radiation		5x10 <sup>8</sup>
FZG, A/8.3/90	DIN 51 354	

All data on this technical data sheet is indicative only

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