

# TECHNICAL DATA SHEET



**PETROCHEM, INC.**  
SPECIALTY LUBRICANTS

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## GEARSYN FG SERIES SYNTHETIC FOOD GRADE GEAR LUBRICANTS

### Applications:

The PETROCHEM FOODSAFE GEARSYN FG Series gear lubricants are blended from 100% synthetic hydrocarbon (PAO) with additives that meets the 1998 USDA H-1 requirements for incidental contact. These lubricants meet all of the requirements of FDA Regulations of 21 CFR 178.3570 and are registered with NSF.

- Gear sets
- Worm gears
- Bearing
- Chain lubricants
- Circulating Oil

### Characteristics:

- Choice of viscosity
- Low evaporation rate
- Substantial reduction in make-up oil
- Wide temperature range
- Anti-wear protection

### Typical Physical Properties:

			PETROCHEM GEARSYN SERIES					
			FG100	FG150	FG220	FG320	FG460	FG680
ASTM TEST METHOD								
AGMA Grade			3	4	5	6	7	8
SAE Grade			30	40	50	60	-	-
ISO Vis. Grade	D2422		100	150	220	320	460	680
Viscosity, cSt	D445	100°C	12.9	17.6	23.4	30.5	39.1	52
		40°C	93.6	147	225.1	319	461	683
Viscosity Index	D2270		136	132	128	132	130	130
Pour Point,	D97	°C/°F	-42/-44	-37/-35	-35/-31	-33/-27	-27/-17	-25/-15
Flash Point,	D92	°C/°F	232/450	238/460	262/504	270/518	270/518	270/518
Copper Corrosion	D130		1b	1b	1b	1b	1b	1b
Foaming Seq. I,II,III	D892		Nil	Nil	Nil	Nil	Nil	Nil
USDA / NSF			H-1	H-1	H-1	H-1	H-1	H-1
Specific Gravity	D1298		0.84	0.85	0.85	0.85	0.85	0.85



\* Extra additive to improve gaskets and seal characteristics.