

PURShield™

CUT THE COST, NOT THE QUALITY.

"YOU CAN TAKE IT TO THE LAB."

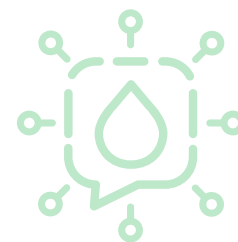
FULL SYNTHETIC INDUSTRIAL GEAR LUBRICANT

 **FOOD GRADE NSF H-1 PAO**



DESCRIPTION

PURUS® PURShield™ Full Synthetic Industrial Gear Lubricant Food Grade series is a fully formulated polyalphaolefin (PAO) based synthetic gear lubricant. This series is ashless and is formulated with an advance additive system to prevent corrosion, oxidation and provide excellent wear protection. The product displays outstanding thermal, oxidative, and hydrolytic stability. The low pour point and stable viscosity of this product series increases effectiveness in applications where high and low temperature extremes are encountered. This gear lubricant is formulated to meet 21 CFR 178.3570 incidental food contact requirements. NSF H1, Kosher and Halal certified.



APPLICATIONS

RECOMMENDED APPLICATIONS:

- Helical, spiral, worm and bevel gears in H1 required applications.
- High and low ambient gear applications

PERFORMANCE BENEFITS

PURUS® PURShield™ Full Synthetic Industrial Gear Lubricant Food Grade NSF H-1 PAO is blended with selected premium quality base oils and additives to provide these essential features and benefits:

FEATURES:

- Extremely low water content
- Ashless formulation
- High viscosity index and low pour point
- Rust and corrosion protection
- Less wear at start up
- Thermal and oxidative stability
- Excellent Load Carrying

BENEFITS:

- Maximum equipment and gear bearing life
- Minimized maintenance costs
- Reduced solid formation
- Extreme operating temperature ranges
- Minimal Vapor carryover
- Promotes extended oil and filter life

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TYPICAL PROPERTIES*	TEST METHOD	ISO GRADE 100	ISO GRADE 150	ISO GRADE 220
Viscosity cSt @ 40° C	ASTM D-445	100.33	148.97	218.17
Viscosity cSt @ 100° C	ASTM D-445	15.23	21.58	29.91
Viscosity Index	ASTM D2270	160	171	178
Moisture, ppm	ASTM D-1744	<50	<50	<50
Specific Gravity at 60°F/15.6° C	ASTM D-4052	0.838	0.840	0.842
Density, lb/gal	ASTM D-4052	6.99	7.01	7.03
Flash Point, °F/°C	ASTM D-92	505/263	510/265	514/268
Pour Point, °F/°C	ASTM D-5950	-76/-60	-71/-57	-71/-57
Four Ball Wear (20kg, 1800 rpm, 75°C, 1Hr)	ASTM D-7172	0.40 mm	0.32 mm	0.32 mm
FZG (Stage Pass)	ASTM D-5182/DIN 51354	11	12	12
Steel Corrosion	ASTM D 655 A & B	Pass	Pass	Pass
Foam Testing (Seq. II)	ASTM D 892	5 mL	5 mL	5 mL
Copper Corrosion (3 hr, 100°C)	ASTM D-130	1a	1a	1a
Demulsibility	ASTM D1401	40/40/0 20 min.	38/40/2 20 min.	40/39/1 20 min.

*Due to continual product research and development, the information contained herein is based on products purchased in the U.S. and subject to change without notification. Typical properties may vary slightly. Minor variations in product typical test data are to be expected in normal manufacturing.

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	5 GALLON PAIL	55 GALLON DRUM	275 GALLON	330 GALLON TOTE
ISO 100	PPS27375	PPS17375	PPS57375	PPS77375
ISO 150	PPS27376	PPS17376	PPS57376	PPS77376
ISO 220	PPS27377	PPS17377	PPS57377	PPS77377