

# ANDEROL PRODUCT DATA SHEET

## ANDEROL<sup>®</sup> 4000 SERIES

BEARING AND GEAR LUBRICANTS (ISO VG 32 TO 150)

### GENERAL INFORMATION

The ANDEROL<sup>®</sup> 4000 Series gear and bearing lubricants are synthetic hydrocarbon based (PAO) and formulated with the latest additive technology.

### TYPICAL PROPERTIES:

PROPERTIES	TEST METHOD	TEST RESULTS				
		4032	4046	4068S	4100	4150
ISO Grade	---	32	46	68	100	150
SAE Grade	SAE J 300	10W	20	30	30	40
Viscosity @ 40°C, cSt	ASTM D-445	30.4	43.3	64.3	95.9	152
Viscosity @ 100°C, cSt	ASTM D-445	5.8	7.8	10.1	13.5	20
Viscosity @ 0°F, (-18°C), cSt	ASTM D-445	925	1,900	2,800	6,000	8,600
Viscosity @ 100°F, SUS	ASTM D-2161	156.9	222	331	496	787
Viscosity @ 210°F, SUS	ASTM D-2161	45.7	52.3	60.5	73.4	100.8
Viscosity Index	ASTM D-2270	136	152	143	141	152
Pour Point, °F (°C)	ASTM D-97	-70 (-57)	-65 (-54)	-60 (-51)	-45 (-43)	-45 (-43)
Flash Point, °F (°C)	ASTM D-92	450 (232)	455 (235)	470 (243)	485 (251)	480 (249)
Evaporation, 22 hrs @ 210°F, (99°C), % loss	ASTM D-972	<1	<1	<1	<1	<1
Copper Strip Corrosion, 24 hours @ 212°F (100°C)	ASTM D-130	1a	1a	1a	1a	1a
Four-ball Wear, 1200 rpm, 167°F, 40 kg, 1 hr, mm	ASTM D-4172	0.8	0.7	0.8	0.6	0.6
Four-ball EP, Weld Point, kg	ASTM D-2783	100	100	100	100	110
Specific Gravity, 60°F (15.6°C), (lbs/gallon)	ASTM D-4052B	0.84 (6.96)	0.84 (6.96)	0.84 (6.96)	0.86 (6.96)	0.87 (7.21)

**ANDEROL 4000 Series**

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**For more information please refer to the relevant Material Safety Data Sheet accompanying each product.**

## APPLICATIONS

- Impregnating fluid for powdered metal bearings, parts, and wicks
- Enclosed Gears
- Measuring and dispensing pumps and meters
- Anti-friction bearings
- General-purpose medium viscosity lubricating oil

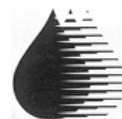
## ADVANTAGES

- Excellent oxidation resistance
- Rust inhibited
- Reduces friction for low-wear rates
- Extreme pressure performance
- Wide operating temperature range up to 450°F
- Excellent corrosion protection
- Plastics compatibility

## COMPATIBILITY

ANDEROL synthetic hydrocarbon based lubricants are similar to mineral oils in their compatibility with paints, seals, gaskets and hoses. No special precautions related to compatibility are required when changing over from a mineral oil lubricant to an ANDEROL synthetic hydrocarbon based lubricant.

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**ANDEROL**<sup>®</sup>  
Specialty Lubricants

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