

HyGold P100N

Paraffinic Base Oil Marketing Specification

This severely hydrotreated paraffinic base oil provides excellent color and consistency. It passes the IP 346 labeling requirement.

TEST DESCRIPTION	TEST METHOD	SPECIFICATIONS		TYPICAL VALUES
		MIN	MAX	
Physical Properties				
Viscosity, SUS at 100°F (37.8°C)	ASTM D2161	108.0	120.0	110.5
Viscosity, SUS at 210°F (98.9°C)	ASTM D2161			40.3
Viscosity, cSt at 40°C (104°F)	ASTM D445	20.5	23.0	21.0
Viscosity, cSt at 100°C (212°F)	ASTM D445			4.2
API Gravity, 60°F (15.6°C)	ASTM D1250			34.2
Specific Gravity, 60°F (15.6°C)	ASTM D4052			0.8542
Viscosity Index	ASTM D2270	95		100
Viscosity-Gravity Constant	ASTM D2501			0.802
Density, lbs/gal at 60°F	ASTM D1250			7.121
Density at 15.6°C, g/cm ³	ASTM D1250			0.8533
Molecular Weight	ASTM D2502			366
Flash Point, COC, °F (°C)	ASTM D92	395 (202)		422 (217)
Flash Point, PMCC, °F (°C)	ASTM D93			403 (206)
Color, ASTM	ASTM D6045		1.5	L0.5
Pour Point, °F (°C)	ASTM D5949		10 (-12)	1 (-17)
Cloud Point, °F (°C)	ASTM D5773			9 (-13)
Noack Volatility, wt%	ASTM D5800			21
Water Content	ASTM D7546M		PASS	PASS
Appearance	ASTM D4176M		PASS	PASS
Chemical Properties				
Acid Number, mg KOH/g	ASTM D664			0.01
Aniline Point, °F (°C)	ASTM D611	210 (99)	230 (110)	225 (107)
Sulfur, ppm	ASTM D7220			3.2
Health and Safety Properties				
Polycyclic Aromatic Compounds, wt%	IP 346		3	<3
Modified Ames Assay, MI	ASTM E1687		1	<1
FDA Regulation	21 CFR 178.3620 (C)		PASS	PASS

HyGold P100N is a product of Ergon - West Virginia, Inc.
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