

HyGold L2000

Naphthenic Base Oil Marketing Specification

This severely hydrotreated naphthenic base oil is primarily used in the metalworking and compounder blending industries. It has a low pour point, a low odor level, excellent color, and resistance to discoloration by heat or ultraviolet light.

TEST DESCRIPTION	TEST METHOD	SPECIFICATIONS		TYPICAL VALUES
		MIN	MAX	
Physical Properties				
Viscosity, SUS at 100°F (37.8°C)	ASTM D2161	2000	2400	2139
Viscosity, SUS at 210°F (98.9°C)	ASTM D2161			100.2
Viscosity, cSt at 40°C (104°F)	ASTM D445	367	435	390
Viscosity, cSt at 100°C (212°F)	ASTM D445	19.0	25.0	19.7
API Gravity, 60°F (15.6°C)	ASTM D1250			21.6
Specific Gravity, 60°F (15.6°C)	ASTM D4052			0.9244
Viscosity-Gravity Constant	ASTM D2501			0.849
Density, lbs/gal at 60°F	ASTM D1250			7.699
Density at 15.6°C, g/cm ³	ASTM D1250			0.9235
Molecular Weight	ASTM D2502			500
Flash Point, COC, °F (°C)	ASTM D92	470 (243)		508 (264)
Flash Point, PMCC, °F (°C)	ASTM D93	437 (225)		457 (236)
Color, ASTM	ASTM D6045		4.0	L2.0
Pour Point, °F (°C)	ASTM D5949		30 (-1)	-8 (-22)
Water Content	ASTM D7546M	PASS		PASS
Appearance	ASTM D4176M	PASS		PASS
Chemical Properties				
Acid Number, mg KOH/g	ASTM D664		0.05	0.01
Aniline Point, °F (°C)	ASTM D611	200 (93)	215 (102)	209 (98)
Sulfur, ppm	ASTM D4294			795
Health and Safety Properties				
Polycyclic Aromatic Compounds, wt%	IP 346		3	<3
Modified Ames Assay, MI	ASTM E1687		1	<1

HyGold L2000 is a product of Ergon Refining, Inc.
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