

HyGold L300

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	300	320	311
Viscosity, SUS at 210°F (98.9°C)	ASTM D2161			48.3
Viscosity, cSt at 40°C (104°F)	ASTM D445	57.2	60.9	59.1
Viscosity, cSt at 100°C (212°F)	ASTM D445			6.6
API Gravity, 60°F (15.6°C)	ASTM D1250			23.4
Specific Gravity, 60°F (15.6°C)	ASTM D4052			0.9133
Viscosity-Gravity Constant	ASTM D2501			0.861
Density, lbs/gal at 60°F	ASTM D1250			7.607
Density at 15.6°C, g/cm ³	ASTM D1250			0.911
Molecular Weight	ASTM D2502			364
Flash Point, COC, °F (°C)	ASTM D92	350 (177)		388 (198)
Flash Point, PMCC, °F (°C)	ASTM D93			362 (183)
Color, ASTM	ASTM D6045		1.5	L1.0
Pour Point, °F (°C)	ASTM D5949		0 (-18)	-33 (-36)
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	175 (79)	195 (91)	183 (84)
Sulfur, ppm	ASTM D4294			421
Health and Safety Properties				
Polycyclic Aromatic Compounds, wt%	IP 346		3	<3
Modified Ames Assay, MI	ASTM E1687		1	<1

HyGold L300 is a product of Ergon Refining, Inc.
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