

LUBND[™] 100

Pale Oil

This severely hydro treated naphthenic base oil is primarily used in the metal working 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	MARKETING SPECIFICATIONS		MARKETING VALUES
		Min	Max	
Physical properties				
Viscosity SUS@ 100°F(37.8°C)	ASTM D 445	100	115	107
Viscosity SUS@ 210°F(96.9°C)	ASTM D 445			38.2
Viscosity cSt@ 40°C (104°F)	ASTM D 341	18.9	22.2	20.1
Viscosity cSt@ 100°C(212°F)	ASTM D 341			3.5
API Gravity, 60°F (15.6°C)	ASTM D 1250			24.8
Specific Gravity 60°F(15.6°C)	ASTM D 4052			0.9053
Viscosity Gravity Constant	ASTM D 2501			0.8665
Density, lbs/gal @ 60°F	ASTM D 1250			7.539
Molecular Weight	ASTM D 2502			305
Flash Point COC °F (°C)	ASTM D 92	325(163)		348(176)
Color ASTM	ASTM D 6045		1.0	L0.5
Pour Point °F(°C)	ASTM D 5949		30(-34)	-57(-49)
Water Content	ERTM-1	PASS		PASS
Appearance	ERTM-2	PASS		PASS
Chemical Properties				
Acid Number, mg KOH/g	ASTM D 664		0.05	0.01
Aniline Point, °F (°C)	ASTM D 611	155.0 (68.3)	170.0(76.7)	164.5(73.6)
Sulfur, wt%	ASTM D 4294		0.050	0.031
Sulfur, ppm	ASTM D 4294		500	310
Health and Safety Properties				
Polycyclic Aromatic Compounds, wt%	IP 346		3	<3
Modified Ames Assay	ASTM E 1687	PASS		PASS
FDA Regulation	21 CFR 178.3620 (C)	PASS		PASS