

LUBND[™] 40

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		
		Min	Max	Typical
Physical properties		Min	Max	Typical
Viscosity SUS@ 100°F	ASTM D 2161	38	44	42.3
Viscosity SUS@ 210°F	ASTM D 2161			31.3
Viscosity cSt@ 40°C	ASTM D 445	3.45	4.9	4.70
Viscosity cSt@ 100°C(212°F)	ASTM D 341			1.55
API Gravity 60°F	ASTM D 4052	27.6	30.6	27.7
Specific Gravity 60°F(15.6°C)	ASTM D 1250			0.8888
Viscosity Gravity Constant	ASTM D 2501			0.876
Density, lbs/gal @ 60°F	ASTM D 1250			7.401
Molecular Weight	ASTM D 2502			NA
Flash Point COC °C (°F)	ASTM D 92	118(245)		124(255)
Color	ASTM D 1500		L 0.5	L 0.5
Pour Point °C(°F)	ASTM D 97		-57(-70)	-68(-90)
Aniline Point, °C (°F)	ASTM D 611			61 (142)
Refractive Index @ 20° C	ASTM D 1747			1.483
Refractivity Intercept	ASTM D 2159			1.041
Kauri-Butanol Value	ASTM D 1133			38
Aromatic Carbon Atoms, %Ca	ASTM D 2140			9
Naphthenic Carbon Atoms, %Cn	ASTM D 2140			57
Paraffinic Carbon Atoms, %Cp	ASTM D 2140			34
Asphaltenes, Mass %	ASTM D 2007			0
Polar Compounds, Mass %	ASTM D 2007			0.05
Aromatics, Mass %	ASTM D 2007			27.6
Saturates, Mass %	ASTM D 2007			72.35
Sulfur, Mass %	ASTM D 4294		0.05	0.01
UV Absorptivity, 260 NM	ASTM D 2008			0.06
Volatility, 22 hr/225° F, % Mass	ASTM D 972			46
DMSO Extract, wt.%	IP-346		3.0	<3.0