

BOER L500

Naphthenic Base Oil

This severely hydrotreated 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	SPECIFICATIONS		MARKETING VALUES	
		Min	Max		
Physical Properties					
1	Viscosity, SUS at 100°F(37.8°C)	ASTM D 445	500	550	533
2	Viscosity, SUS at 210°F(98.9°C)	ASTM D 445			55.9
3	Viscosity, cSt at 40°C(104°F)	ASTM D 341	94.2	103.0	100.2
4	Viscosity, cSt at 100°C(212°F)	ASTM D 341			8.8
5	API Gravity, 60°F(15.6°C)	ASTM D 1250			22.8
6	Specific Gravity, 60°F(15.6°C)	ASTM D 4052			0.9170
7	Viscosity- Gravity Constant	ASTM D 2501			0.8587
8	Density, lbs/gal at 60°F	ASTM D 1250			7.636
9	Molecular Weight	ASTM D 2502			392
10	Flash Point, COC, °F(°C)	ASTM D 92	360(182)		430(221)
11	Color, ASTM	ASTM D 6045		2.0	L1.0
12	Pour Point, °F(°C)	ASTM D 5949		10(-12)	-18(-28)
13	Water Content	ERTM-1	PASS		PASS
14	Appearance	ERTM-2	PASS		PASS
Chemical Properties					
1	Acid Number, mg KOH/g	ASTM D 664		0.05	0.01
2	Aniline Point, °F(°C)	ASTM D 611	185.0(85.0)	200.0(93.3)	188.0(86.7)
3	Sulfur, wt%	ASTM D 4294			0.060
4	Sulfur, ppm	ASTM D 4294			600
Health and Safety Properties					
1	Polycyclic Aromatic Compounds, wt%	IP 346		3	< 3
2	Modified Ames Assay	ASTM E 1687	PASS		PASS

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