

BOER MVI 1200

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	1200	1300	1247
2	Viscosity, SUS at 210°F(98.9°C)	ASTM D 445			84.4
3	Viscosity, cSt at 40°C(104°F)	ASTM D 341			232
4	Viscosity, cSt at 100°C(212°F)	ASTM D 341			16.0
5	Viscosity Index	ASTM 2270			61
6	API Gravity, 60°F(15.6°C)	ASTM D 1250			23.2
7	Specific Gravity, 60°F(15.6°C)	ASTM D 4052			0.9147
8	Viscosity- Gravity Constant	ASTM D 2501			0.8432
9	Density, lbs/gal at 60°F	ASTM D 1250			7.617
10	Molecular Weight	ASTM D 2502			499.0
11	Flash Point, COC, °F(°C)	ASTM D 92	400(204)		490(254)
12	Flash Point, PMCC, °F(°C)	ASTM D 93			437(225)
13	Color, ASTM	ASTM D 6045		L2.5	2.0
14	Pour Point, °F(°C)	ASTM D 5949		20(-7)	-10(-23)
15	Cloud Point, °F(°C)	ASTM D 2500			36(2.2)
16	Water Content	ERTM-1	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	205(96)	225(107)	217(103)
3	Sulfur, wt%	ASTM D 4294			0.074
4	Sulfur, ppm	ASTM D 4294			736

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