

BOER P100N

Paraffinic Base Oil

This severely hydrotreated paraffinic base oil provides excellent color stability and consistency. It passes the IP 346 labeling requirement.

TEST DESCRIPTION		TEST METHOD	SPECIFICATIONS		MARKETING VALUES
			Min	Max	
Physical Properties					
1	Viscosity, SUS at 100°F(37.8°C)	ASTM D 445	100.0	120.0	116.9
2	Viscosity, SUS at 210°F(98.9°C)	ASTM D 445			40.9
3	Viscosity, cSt at 40°C(104°F)	ASTM D 341			22.4
4	Viscosity, cSt at 100°C(212°F)	ASTM D 341			4.3
5	API Gravity, 60°F(15.6°C)	ASTM D 1250			33.9
6	Specific Gravity, 60°F(15.6°C)	ASTM D 4052			0.8557
7	Viscosity Index	ASTM D 2270	95		100
8	Viscosity- Gravity Constant	ASTM D 2501			0.8033
9	Density, lbs/gal at 60°F	ASTM D 1250			7.125
10	Molecular Weight	ASTM D 2502			410
11	Flash Point, COC, °F(°C)	ASTM D 92	395(202)		420(216)
12	Color, ASTM	ASTM D 6045		1.5	1.0.5
13	Pour Point, °F(°C)	ASTM D 5949		10(-12)	0(-18)
14	Cloud Point, °F(°C)	ASTM D 5773			10(-12)
15	Volatility, wt%, 225°F (Evap. Loss)	ASTM D 972			0.38
16	Noack Volatility, wt%	ASTM D 5800			21.0
17	Water Content	WTP-OP-001	PASS		PASS
18	Appearance	WTP-OP-020	PASS		PASS
Chemical Properties					
1	Acid Number, mg KOH/g	ASTM D 664			0.01
2	Aniline Point, °F(°C)	ASTM D 611	210.0(98.8)	230.0(110.0)	225.6(107.4)
3	Sulfur, wt%	ASTM D 4294			0.0005
4	Sulfur, ppm	ASTM D 4294			5
5	Clay-Gel, wt%	ASTM D 2007			
6	Saturates				94.4
Health and Safety Properties					
1	Polycyclic Aromatic Compounds, wt%	IP 346		3	< 3
2	Modified Ames Assay	ASTM E 1687	PASS		PASS
3	FDA Regulation	21 CFR 178.3620 (C)	PASS		PASS

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