

BOER P70N

Paraffinic Base Oil

This severely hydrotreated paraffinic base oil provides excellent color 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	60.0	75.0	68.8
2	Viscosity, SUS at 210°F(98.9°C)	ASTM D 445			35.9
3	Viscosity, cSt at 40°C(104°F)	ASTM D 341			11.8
4	Viscosity, cSt at 100°C(212°F)	ASTM D 341			2.9
5	API Gravity, 60°F(15.6°C)	ASTM D 1250			33.6
6	Specific Gravity, 60°F(15.6°C)	ASTM D 4052			0.8567
7	Viscosity Index	ASTM D 2270	60		78
8	Viscosity- Gravity Constant	ASTM D 2501			0.8184
9	Density, lbs/gal at 60°F	ASTM D 1250			7.136
10	Molecular Weight	ASTM D 2502			318
11	Flash Point, COC, °F(°C)	ASTM D 92	330(166)		370(189)
12	Color, ASTM	ASTM D 6045		1.5	1.0.5
13	Pour Point, °F(°C)	ASTM D 5949		5(-15)	0(-18)
14	Cloud Point, °F(°C)	ASTM D 5773			14(-10)
15	Water Content	WTP-OP-001	PASS		PASS
16	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	190.0(87.8)	210.0(98.9)	205.4(96.3)
3	Sulfur, wt%	ASTM D 4294			0.0004
4	Sulfur, ppm	ASTM D 4294			4
5	Clay-Gel, wt%	ASTM D 2007			
6	Saturates				93.7
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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