

RPER P100N

Product Data Sheet

This severely hydrotreated paraffinic process oil provides excellent color stability and low volatility. 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- Gravity Constant	ASTM D 2501			0.8033
8	Density, lbs/gal at 60°F	ASTM D 1250			7.125
9	Molecular Weight	ASTM D 2502			410
10	Flash Point, COC, °F(°C)	ASTM D 92	395(202)		420(216)
11	Color, ASTM	ASTM D 6045		1.5	1.0-5
12	Pour Point, °F(°C)	ASTM D 5949		10(-12)	0(-18)
13	Volatility, wt%, 225°F (Evap. Loss)	ASTM D 972			0.38
14	Water Content	WTP-OP-001	PASS		PASS
15	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	Refractive Index, 20°C (68°F)	ASTM D 1218			1.4704
6	UV Absorptivity at 260nm	ASTM D 2008			0.09
7	Clay-Gel, wt%	Asphaltenes	ASTM D 2007		<0.1
		Polar Compounds			0.1
		Aromatics			5.5
		Saturates			94.4
8	Carbon Type Analysis, %	Ca	ASTM D 2140		0
		Cn			34
		Cp			66
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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