

RPER P150BS

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			2527
2	Viscosity, SUS at 210°F(98.9°C)	ASTM D 445	145.0	155.0	151.1
3	Viscosity, cSt at 40°C(104°F)	ASTM D 341			471
4	Viscosity, cSt at 100°C(212°F)	ASTM D 341			30.8
5	API Gravity, 60°F(15.6°C)	ASTM D 1250			26.8
6	Specific Gravity, 60°F(15.6°C)	ASTM D 4052			0.8939
7	Viscosity- Gravity Constant	ASTM D 2501			0.8004
8	Density, lbs/gal at 60°F	ASTM D 1250			7.450
9	Molecular Weight	ASTM D 2502			676
10	Flash Point, COC, °F(°C)	ASTM D 92	560(293)		575(301)
11	Color, ASTM	ASTM D 6045		4.5	1.3.5
12	Pour Point, °F(°C)	ASTM D 5949		20(-7)	10(-13)
13	Volatility, wt%, 225°F (Evap. Loss)	ASTM D 972		0.05	0.03
14	Water Content	WTP-OP-001	PASS		PASS
15	Appearance	WTP-OP-020	PASS		PASS
Chemical Properties					
1	Conradson Carbon Residue, wt%	ASTM D 4530		1.0	0.4
2	Acid Number, mg KOH/g	ASTM D 664			0.02
3	Aniline Point, °F(°C)	ASTM D 611	255.0(123.9)	270.0(132.2)	262.6(128.1)
4	Sulfur, wt%	ASTM D 4294		0.050	0.0064
5	Sulfur, ppm	ASTM D 4294		500	64
6	Refractive Index, 20°C (68°F)	ASTM D 1218			1.4915
7	UV Absorptivity at 260nm	ASTM D 2008			1.67
8	Clay-Gel, wt%	Asphaltenes	ASTM D 2007		<0.01
		Polar Compounds			1.4
		Aromatics			19.1
		Saturates		75.0	79.5
9	Carbon Type Analysis, %	Ca	ASTM D 2140		4
		Cn			26
		Cp			70
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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