

RPER 100

Product Data Sheet

This severely hydrotreated naphthenic process oil provides good solvency for the rubber and chemical processing 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	100	121.0	112
2	Viscosity, SUS at 210°F(98.9°C)	ASTM D 445			38.1
3	Viscosity, cSt at 40°C(104°F)	ASTM D 341	18.9	22.8	21.1
4	Viscosity, cSt at 100°C(212°F)	ASTM D 341			3.5
5	API Gravity, 60°F(15.6°C)	ASTM D 1250			24.6
6	Specific Gravity, 60°F(15.6°C)	ASTM D 4052			0.9065
7	Viscosity- Gravity Constant	ASTM D 2501			0.8686
8	Density, lbs/gal at 60°F	ASTM D 1250			7.549
9	Molecular Weight	ASTM D 2502			298
10	Flash Point, COC, °F(°C)	ASTM D 92	325(163)		350(177)
11	Color, ASTM	ASTM D 6045		1.0	1.0.5
12	Pour Point, °F(°C)	ASTM D 5949		-30(-34)	-60(-51)
13	Volatility, wt%, 225°F (Evap. Loss)	ASTM D 972			10.0
14	Water Content	ERTM-1	PASS		PASS
15	Appearance	ERTM-2	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	155.0(68.3)	170.0(76.7)	165.8(74.3)
3	Sulfur, wt%	ASTM D 4294		0.050	0.025
4	Sulfur, ppm	ASTM D 4294		500	250
5	Refractive Index, 20°C (68°F)	ASTM D 1218			1.4951
6	UV absorptivity at 260nm	ASTM D 2008		2.50	1.70
7	Clay-Gel, wt%	Asphaltenes	ASTM D 2007		<0.1
		Polar Compounds			0.4
		Aromatics			35.4
		Saturates			64.2
8	Carbon Type Analysis, %	Ca	ASTM D 2140		10
		Cn			47
		Cp			43
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

Disclaimer: It makes no warranties, representation or conditions of any kind expressed or implied for use with respect to these products. Final determination of suitability of the products for the application contemplated by the user is solely their responsibility.