

# RPER L300

## 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	
<b>Physical Properties</b>					
1	Viscosity, SUS at 100°F(37.8°C)	ASTM D 445	300	320	310
2	Viscosity, SUS at 210°F(98.9°C)	ASTM D 445			48.3
3	Viscosity, cSt at 40°C(104°F)	ASTM D 341			59.1
4	Viscosity, cSt at 100°C(212°F)	ASTM D 341			6.6
5	API Gravity, 60°F(15.6°C)	ASTM D 1250			23.3
6	Specific Gravity, 60°F(15.6°C)	ASTM D 4052			0.9141
7	Viscosity- Gravity Constant	ASTM D 2501			0.8621
8	Density, lbs/gal at 60°F	ASTM D 1250			7.612
9	Molecular Weight	ASTM D 2502			362
10	Flash Point, COC, °F(°C)	ASTM D 92	350(177)		395(202)
11	Color, ASTM	ASTM D 6045		1.5	L1.0
12	Pour Point, °F(°C)	ASTM D 5949		0(-18)	-34(-37)
13	Volatility, wt%, 225°F (Evap. Loss)	ASTM D 972			3.80
14	Water Content	ERTM-1	PASS		PASS
15	Appearance	ERTM-2	PASS		PASS
<b>Chemical Properties</b>					
1	Acid Number, mg KOH/g	ASTM D 664		0.05	0.01
2	Aniline Point, °F(°C)	ASTM D 611	175.0(79.4)	195.0(90.6)	182.0(83.3)
3	Sulfur, wt%	ASTM D 4294			0.054
4	Sulfur, ppm	ASTM D 4294			540
5	Refractive Index, 20°C (68°F)	ASTM D 1218			1.5006
6	UV absorptivity at 260nm	ASTM D 2008			3.26
7	Clay-Gel, wt%	Asphaltenes	ASTM D 2007		<0.1
		Polar Compounds			0.9
		Aromatics			38.1
		Saturates			61.0
8	Carbon Type Analysis, %	Ca	ASTM D 2140		12
		Cn			41
		Cp			47
<b>Health and Safety Properties</b>					
1	Polycyclic Aromatic Compounds, wt%	IP 346		3	< 3
2	Modified Ames Assay	ASTM E 1687	PASS		PASS

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