RPER L750 *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	750	800	772
2	Viscosity, SUS at 210°F(98.9°C)		ASTM D 445			64.1
3	Viscosity, cSt at 40°C(104°F)		ASTM D 341			144.0
4	Viscosity, cSt at 100°C(212°F)		ASTM D 341			11.0
5	API Gravity, 60°F(15.6°C)		ASTM D 1250			22.5
6	Specific Gravity, 60°F(15.6°C)		ASTM D 4052			0.9188
7	Viscosity- Gravity Constant		ASTM D 2501			0.8563
8	Density, lbs/gal at 60°F		ASTM D 1250			7.651
9	Molecular Weight		ASTM D 2502			442
10	Flash Point, COC, °F(°C)		ASTM D 92	395(202)		440(227)
11	Color, ASTM		ASTM D 6045		2.5	L2.0
12	Pour Point, °F(°C)		ASTM D 5949		10(-12)	-12(-24)
13	Volatility, wt%, 225°F (Evap.Loss)		ASTM D 972			0.20
14	Water Content		ERTM-1	PASS		PASS
15	Appearance		ERTM-2	PASS		PASS
16	Glass Transition Temperature (Tg), °C		ASTM D 3418			-61
Chemical Properties						
1	Acid Number, mg KOH/g		ASTM D 664		0.05	0.01
2	Aniline Point, °F(°C)		ASTM D 611	190.0(87.8)	205.0(96.1)	194.8(90.4)
3	Sulfur, wt%		ASTM D 4294			0.072
4	Sulfur, ppm		ASTM D 4294			720
5	Refractive Index, 20°C (68°F)		ASTM D 1218			1.5043
6	UV absorptivity at 260nm		ASTM D 2008			4.13
7	Clay-Gel, wt%	Asphaltenes	ASTM D 2007			<0.1
		Polar Compounds				1.7
		Aromatics				40.0
		Saturates				58.3
8	Carbon Type Analysis, %	Ca	ASTM D 2140			12
		Cn				37
		Cp				51
Health and Safety Properties						
1	Polycyclic Aromatic Compounds, wt%		IP 346		3	< 3
2	Modified Ames Assay		ASTM E 1687	PASS		PASS