

RPER L1200

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	1200	1300	1236
2	Viscosity, SUS at 210°F(98.9°C)	ASTM D 445			77.7
3	Viscosity, cSt at 40°C(104°F)	ASTM D 341			228
4	Viscosity, cSt at 100°C(212°F)	ASTM D 341			14.4
5	API Gravity, 60°F(15.6°C)	ASTM D 1250			22.2
6	Specific Gravity, 60°F(15.6°C)	ASTM D 4052			0.9206
7	Viscosity- Gravity Constant	ASTM D 2501			0.8527
8	Density, lbs/gal at 60°F	ASTM D 1250			7.666
9	Molecular Weight	ASTM D 2502			459
10	Flash Point, COC, °F(°C)	ASTM D 92	400(204)		470(243)
11	Color, ASTM	ASTM D 6045		3.0	12.5
12	Pour Point, °F(°C)	ASTM D 5949		25(-4)	-3(-19)
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			-57
Chemical Properties					
1	Acid Number, mg KOH/g	ASTM D 664		0.05	0.01
2	Aniline Point, °F(°C)	ASTM D 611	195.0(90.6)	210.0(98.9)	201.7(94.3)
3	Sulfur, wt%	ASTM D 4294			0.079
4	Sulfur, ppm	ASTM D 4294			790
5	Refractive Index, 20°C (68°F)	ASTM D 1218			1.5057
6	UV absorptivity at 260nm	ASTM D 2008			4.71
7	Clay-Gel, wt%	Asphaltenes	ASTM D 2007		<0.1
		Polar Compounds			2.4
		Aromatics			40.6
		Saturates			57.0
8	Carbon Type Analysis, %	Ca	ASTM D 2140		12
		Cn			35
		Cp			53
Health and Safety Properties					
1	Polycyclic Aromatic Compounds, wt%	IP 346		3	< 3
2	Modified Ames Assay	ASTM E 1687	PASS		PASS

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