

# RPER MVI 1200

# 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	1200	1300	1247
2	Viscosity, SUS at 210°F(98.9°C)	ASTM D 445			84
3	Viscosity, cSt at 40°C(104°F)	ASTM D 341			232
4	Viscosity, cSt at 100°C(212°F)	ASTM D 341			16
5	API Gravity, 60°F(15.6°C)	ASTM D 1250			23.2
6	Specific Gravity, 60°F(15.6°C)	ASTM D 4052			0.9147
7	Viscosity- Gravity Constant	ASTM D 2501			0.8432
8	Density, lbs/gal at 60°F	ASTM D 1250			7.617
9	Molecular Weight	ASTM D 2502			499
10	Flash Point, COC, °F(°C)	ASTM D 92	400(204)		490(254)
11	Flash Point, PMCC, °F(°C)	ASTM D 93			437(225)
12	Color, ASTM	ASTM D 6045		L2.5	2.0
13	Pour Point, °F(°C)	ASTM D 5949		20(-7)	-7.5(-22)
14	Volatility, wt%, 225°F (Evap.Loss)	ASTM D 972			0.349
15	Cloud Point, °F(°C)	ASTM D 2500			36(2.2)
16	Water Content	ERTM-1	PASS		PASS
17	Glass Transition Temperature (Tg), °C	ASTM D 3418			-61
<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	205(96)	225(107)	217(103)
3	Sulfur, wt%	ASTM D 4294			0.074
4	Sulfur, ppm	ASTM D 4294			736
5	Refractive Index, 20°C (68°F)	ASTM D 1218			1.5024
6	UV absorptivity at 260nm	ASTM D 2008			3.49
7	Clay-Gel, wt%	Asphaltenes	ASTM D 2007		<0.1
		Polar Compounds			2.7
		Aromatics			38.9
		Saturates			58.3
8	Carbon Type Analysis, %	Ca	ASTM D 2140		11
		Cn			34
		Cp			55

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