

RPER MVI 2000

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	2000	2400	2143
2	Viscosity, SUS at 210°F(98.9°C)	ASTM D 445			114.0
3	Viscosity, cSt at 40°C(104°F)	ASTM D 341			395.0
4	Viscosity, cSt at 100°C(212°F)	ASTM D 341			22.7
5	API Gravity, 60°F(15.6°C)	ASTM D 1250			23.4
6	Specific Gravity, 60°F(15.6°C)	ASTM D 4052			0.9140
7	Viscosity- Gravity Constant	ASTM D 2501			0.8432
8	Density, lbs/gal at 60°F	ASTM D 1250			7.608
9	Molecular Weight	ASTM D 2502			570
10	Flash Point, COC, °F(°C)	ASTM D 92	460(238)		500(260)
11	Flash Point, PMCC, °F(°C)	ASTM D 93			471(244)
12	Color, ASTM	ASTM D 6045		4.0	12.5
13	Pour Point, °F(°C)	ASTM D 5949		26(-3)	3(-16)
14	Volatility, wt%, 225°F (Evap.Loss)	ASTM D 972			0.299
15	Cloud Point, °F(°C)	ASTM D 2500			58(14.4)
16	Water Content	ERTM-1	PASS		PASS
17	Glass Transition Temperature (Tg), °C	ASTM D 3418	PASS		-57.03
Chemical Properties					
1	Acid Number, mg KOH/g	ASTM D 664		0.05	0.01
2	Aniline Point, °F(°C)	ASTM D 611	220(104)	240(116)	230(110)
3	Sulfur, wt%	ASTM D 4294			0.077
4	Sulfur, ppm	ASTM D 4294			771
5	Refractive Index, 20°C (68°F)	ASTM D 1218			1.5023
6	UV absorptivity at 260nm	ASTM D 2008			3.38
7	Clay-Gel, wt%	Asphaltenes	ASTM D 2007		<0.1
		Polar Compounds			2.93
		Aromatics			33.9
		Saturates			63.2
8	Carbon Type Analysis, %	Ca	ASTM D 2140		10
		Cn			30
		Cp			60

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