

RPER MVI 150BS

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			3528
2	Viscosity, SUS at 210°F(98.9°C)	ASTM D 445	130	180	156
3	Viscosity, cSt at 40°C(104°F)	ASTM D 341			646
4	Viscosity, cSt at 100°C(212°F)	ASTM D 341			32.0
5	API Gravity, 60°F(15.6°C)	ASTM D 1250			23.5
6	Specific Gravity, 60°F(15.6°C)	ASTM D 4052			0.9134
7	Viscosity- Gravity Constant	ASTM D 2501			0.8248
8	Density, lbs/gal at 60°F	ASTM D 1250			7.603
9	Molecular Weight	ASTM D 2502			650
10	Flash Point, COC, °F(°C)	ASTM D 92	510(270)		548(286)
11	Flash Point, PMCC, °F(°C)	ASTM D 93			487(254)
12	Color, ASTM	ASTM D 6045		4.0	2.6
13	Pour Point, °F(°C)	ASTM D 5949		45(7.2)	20(-6.7)
14	Volatility, wt%, 225°F (Evap.Loss)	ASTM D 972			0.114
15	Cloud Point, °F(°C)	ASTM D 2500			66(19)
16	Water Content	ERTM-1	PASS		PASS
17	Glass Transition Temperature (Tg), °C	ASTM D 3418			-55.1
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)	258(125)	243(117)
3	Sulfur, wt%	ASTM D 4294			0.079
4	Sulfur, ppm	ASTM D 4294			792
5	Refractive Index, 20°C (68°F)	ASTM D 1218			1.5021
6	UV absorptivity at 260nm	ASTM D 2008			3.27
7	Clay-Gel, wt%	Asphaltenes	ASTM D 2007		<0.1
		Polar Compounds			3.97
		Aromatics			32.3
		Saturates			63.7
8	Carbon Type Analysis, %	Ca	ASTM D 2140		8
		Cn			29
		Cp			63

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