HyPrene Process Oils

ERGON

HyPrene L350E

Naphthenic Process Oil Marketing Specification

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		TYPICAL VALUES
Physical Properties		**MIN**	**MAX**	
Viscosity, SUS at 100°F (37.8°C)	ASTM D2161			357
Viscosity, SUS at 210°F (98.9°C)	ASTM D2161			49.7
Viscosity, cSt at 40°C (104°F)	ASTM D445	64.0	73.0	67.8
Viscosity, cSt at 100°C (212°F)	ASTM D445			7.0
API Gravity, 60°F (15.6°C)	ASTM D1250			23.4
Specific Gravity, 60°F (15.6°C)	ASTM D4052			0.9135
Viscosity-Gravity Constant	ASTM D2501			0.860
Density, lbs/gal at 60°F	ASTM D1250			7.609
Density at 15.6°C, g/cm^3	ASTM D1250			0.9128
Molecular Weight	ASTM D2502			367
Flash Point, COC, °F (°C)	ASTM D92			384 (196)
Flash Point, PMCC, °F (°C)	ASTM D93	343 (173)		351 (177)
Color, ASTM	ASTM D6045		1.5	0.5
Pour Point, °F (°C)	ASTM D5949		-9 (-23)	-30 (-35)
Volatility, wt%, 225°F (Evap. Loss)	ASTM D972			4.7
Water Content	ASTM D7546M	PASS		PASS
Appearance	ASTM D4176M	PASS		PASS
Chemical Properties				
Acid Number, mg KOH/g	ASTM D664		0.05	0.01
Aniline Point, °F (°C)	ASTM D611	180 (82)	190 (88)	187 (86)
Sulfur, ppm	ASTM D4294			307
Refractive Index, 20°C (68°F)	ASTM D1218			1.4988
UV Absorptivity at 260 nm	ASTM D2008			1.44
Clay-Gel, wt%	ASTM D2007			
Asphaltenes				<0.1
Polar Compounds				0.5
Aromatics				36.3
Saturates				63.2
Carbon Type Analysis, %	IR Brandes			
Ca				19
Cn				24
Cp				57
Carbon Type Analysis, %	ASTM D2140			
Ca				9
Cn				45
Cp				47
Health and Safety Properties				
Polycyclic Aromatic Compounds, wt%	IP 346		3	<3
Modified Ames Assay, MI	ASTM E1687		1	<1

HyPrene L350E is a product of Ergon Refining, Inc.
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