HyPrene Process Oils

ERGON

HyPrene L1200

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	1200	1300	1246
Viscosity, SUS at 210°F (98.9°C)	ASTM D2161			76.9
Viscosity, cSt at 40°C (104°F)	ASTM D445	220	240	230
Viscosity, cSt at 100°C (212°F)	ASTM D445			14.3
API Gravity, 60°F (15.6°C)	ASTM D1250			22.1
Specific Gravity, 60°F (15.6°C)	ASTM D4052			0.9215
Viscosity-Gravity Constant	ASTM D2501			0.853
Density, lbs/gal at 60°F	ASTM D1250			7.674
Density at 15.6°C, g/cm^3	ASTM D1250			0.9205
Molecular Weight	ASTM D2502			453
Flash Point, COC, °F (°C)	ASTM D92	410 (210)		465 (241)
Flash Point, PMCC, °F (°C)	ASTM D93	383 (195)		428 (220)
Color, ASTM	ASTM D6045		3.0	L2.0
Pour Point, °F (°C)	ASTM D5949		25 (-4)	-19 (-28)
Volatility, wt%, 225°F (Evap. Loss)	ASTM D972			0.5
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	195 (91)	210 (99)	202 (94)
Sulfur, ppm	ASTM D4294			621
Refractive Index, 20°C (68°F)	ASTM D1218			1.5052
UV Absorptivity at 260 nm	ASTM D2008			3.71
Clay-Gel, wt%	ASTM D2007			
Asphaltenes				<0.1
Polar Compounds				1.8
Aromatics				41.2
Saturates				57.1
Carbon Type Analysis, %	ASTM D2140			
Ca				12
Cn				37
Cp				51
Health and Safety Properties				
Polycyclic Aromatic Compounds, wt%	IP 346		3	<3
Modified Ames Assay, MI	ASTM E1687		1	<1

HyPrene L1200 is a product of Ergon Refining, Inc.
February 9, 2024