HyPrene Process Oils

ERGON

HyPrene L750

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	750	800	773
Viscosity, SUS at 210°F (98.9°C)	ASTM D2161			63.2
Viscosity, cSt at 40°C (104°F)	ASTM D445	140	150	144
Viscosity, cSt at 100°C (212°F)	ASTM D445			10.8
API Gravity, 60°F (15.6°C)	ASTM D1250			22.7
Specific Gravity, 60°F (15.6°C)	ASTM D4052			0.9179
Viscosity-Gravity Constant	ASTM D2501			0.855
Density, lbs/gal at 60°F	ASTM D1250			7.644
Density at 15.6°C, g/cm^3	ASTM D1250			0.9170
Molecular Weight	ASTM D2502			417
Flash Point, COC, °F (°C)	ASTM D92	400 (204)		439 (226)
Flash Point, PMCC, °F (°C)	ASTM D93	387 (197)		404 (207)
Color, ASTM	ASTM D6045		2.5	L1.5
Pour Point, °F (°C)	ASTM D5949		10 (-12)	-22 (-30)
Volatility, wt%, 225°F (Evap. Loss)	ASTM D972			1.3
Water Content, ppm	ASTM D7546M	PASS		PASS
Appearance	ASTM D4176M	PASS		PASS
Glass Transition Temperature (Tg), °C	ASTM D3418			-60
Chemical Properties				
Acid Number, mg KOH/g	ASTM D664		0.05	0.01
Aniline Point, °F (°C)	ASTM D611	190 (88)	205 (96)	197 (92)
Sulfur, ppm	ASTM D4294			432
Refractive Index, 20°C (68°F)	ASTM D1218			1.5018
UV Absorptivity at 260 nm	ASTM D2008			2.08
Clay-Gel, wt%	ASTM D2007			
Asphaltenes				<0.1
Polar Compounds				1.0
Aromatics				38.4
Saturates				60.6
Carbon Type Analysis, %	ASTM D2140			
Ca				10
Cn				41
Cp				49
Health and Safety Properties				
Polycyclic Aromatic Compounds, wt%	IP 346		3	<3
Modified Ames Assay, MI	ASTM E1687		1	<1

HyPrene L750 is a product of Ergon Refining, Inc.
February 22, 2024