HyPrene Process Oils

ERGON

HyPrene 40

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	31	46	38
Viscosity, SUS at 210°F (98.9°C)	ASTM D2161			30.4
Viscosity, cSt at 40°C (104°F)	ASTM D445	2	5	4
Viscosity, cSt at 100°C (212°F)	ASTM D445			1.3
API Gravity, 60°F (15.6°C)	ASTM D1250			31.4
Specific Gravity, 60°F (15.6°C)	ASTM D4052			0.8686
Density, lbs/gal at 60°F	ASTM D1250			7.2342
Density at 15.6°C, g/cm^3	ASTM D1250			0.8678
Flash Point, COC, °F (°C)	ASTM D92	218 (103)		243 (117)
Flash Point, PMCC, °F (°C)	ASTM D93	200 (93)		225 (107)
Color, Saybolt	ASTM D6045	20		30
Pour Point, °F (°C)	ASTM D5950			-118 (-83)
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	142 (61)	162 (72)	151 (66)
Sulfur, ppm	ASTM D7212			6
Refractive Index, 20°C (68°F)	ASTM D1218			1.4726
UV Absorptivity at 260 nm	ASTM D2008			0.24
Clay-Gel, wt%	ASTM D2007			
Asphaltenes				<0.1
Polar Compounds				0.1
Aromatics				19.6
Saturates				80.2
Carbon Type Analysis, %	ASTM D2140			
Ca				7
Cn				52
Cp				41
Health and Safety Properties				
Polycyclic Aromatic Compounds, wt%	IP 346		3	<3
Modified Ames Assay, MI	ASTM E1687		1	<1

HyPrene 40 is a product of Ergon Refining, Inc.
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