HyPrene Process Oils

ERGON

HyPrene P70N

Paraffinic Process Oil Marketing Specification

This severely hydrotreated paraffinic process oil provides excellent color stability and low volatility. It passes the IP 346 labeling requirement.

TEST DESCRIPTION	TEST METHOD	SPECIFICATIONS		TYPICAL VALUES
Physical Properties		**MIN**	**MAX**	
Viscosity, SUS at 100°F (37.8°C)	ASTM D2161	60.0	75.0	64.4
Viscosity, SUS at 210°F (98.9°C)	ASTM D2161			35.2
Viscosity, cSt at 40°C (104°F)	ASTM D445	9.6	13.3	10.7
Viscosity, cSt at 100°C (212°F)	ASTM D445			2.7
API Gravity, 60°F (15.6°C)	ASTM D1250			32.7
Specific Gravity, 60°F (15.6°C)	ASTM D4052			0.8616
Viscosity-Gravity Constant	ASTM D2501			0.826
Density, lbs/gal at 60°F	ASTM D1250			7.183
Density at 15.6°C, g/cm^3	ASTM D1250			0.8607
Molecular Weight	ASTM D2502			294
Flash Point, COC, °F (°C)	ASTM D92	330 (166)		363 (184)
Flash Point, PMCC, °F (°C)	ASTM D93			346 (175)
Color, ASTM	ASTM D6045		1.5	L0.5
Pour Point, °F (°C)	ASTM D5949		5 (-15)	-5 (-21)
Volatility, wt%, 225°F (Evap. Loss)	ASTM D972			6.30
Water Content	ASTM D7546M	PASS		PASS
Appearance	ASTM D4176M	PASS		PASS
Chemical Properties				
Acid Number, mg KOH/g	ASTM D664			0.01
Aniline Point, °F (°C)	ASTM D611	190 (88)	210 (99)	199 (93)
Sulfur, ppm	ASTM D7220			3
Refractive Index, 20°C (68°F)	ASTM D1218			1.4715
UV Absorptivity at 260 nm	ASTM D2008			0.11
Clay-Gel, wt%	ASTM D2007			
Asphaltenes				<0.1
Polar Compounds				0.2
Aromatics				7.5
Saturates				92.3
Carbon Type Analysis, %	ASTM D2140			
Ca				0
Cn				43
Cp				57
Health and Safety Properties				
Polycyclic Aromatic Compounds, wt%	IP 346		3	<3
Modified Ames Assay, MI	ASTM E1687			<1
FDA Regulation	21 CFR 178.3620 (C)	PASS		PASS

HyPrene P70N is a product of Ergon - West Virginia, Inc.
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