

HyPrene P150BS

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			2451
Viscosity, SUS at 210°F (98.9°C)	ASTM D2161	145	155	147.1
Viscosity, cSt at 40°C (104°F)	ASTM D445			457
Viscosity, cSt at 100°C (212°F)	ASTM D445	29.5	31.6	30.0
API Gravity, 60°F (15.6°C)	ASTM D1250			26.8
Specific Gravity, 60°F (15.6°C)	ASTM D4052			0.8941
Viscosity-Gravity Constant	ASTM D2501			0.800
Density, lbs/gal at 60°F	ASTM D1250			7.454
Molecular Weight	ASTM D2502			772
Flash Point, COC, °F (°C)	ASTM D92	560 (293)		589 (309)
Color, ASTM	ASTM D6045		4.5	L4.0
Pour Point, °F (°C)	ASTM D5949		20 (-7)	17 (-8)
Volatility, wt%, 225°F (Evap. Loss)	ASTM D972		0.05	0.07
Water Content	ASTM D7546M	PASS		PASS
Appearance	ASTM D4176M	PASS		PASS
Chemical Properties				
Conradson Carbon Residue, wt%	ASTM D4530		1.0	0.4
Acid Number, mg KOH/g	ASTM D664			0.01
Aniline Point, °F (°C)	ASTM D611	255 (124)	270 (132)	261 (127)
Sulfur, ppm	ASTM D7220		500	219
Refractive Index, 20°C (68°F)	ASTM D1218			1.4923
UV Absorptivity at 260 nm	ASTM D2008			2.18
Aromatics + Polars, Total, %, HPLC	ASTM D7419			22
Saturates, Total, %, HPLC	ASTM D7419			78
Carbon Type Analysis, %	ASTM D2140			
Ca				5
Cn				24
Cp				71
Health and Safety Properties				
Polycyclic Aromatic Compounds, wt%	IP 346		3	<3
Modified Ames Assay, MI	ASTM E1687		1	<1
FDA Regulation	21 CFR 178.3620 (C)	PASS		PASS