

HyPrene B0150

Black Oil Marketing Specification

This naphthenic-based black oil is a blend of hydrotreated base oils and heavy residuals. It is primarily developed as an aromatic replacement for use in the rubber industry.

TEST DESCRIPTION	TEST METHOD	SPECIFICATIONS		TYPICAL VALUES
		MIN	MAX	
Physical Properties				
Viscosity, SUS at 100°F (37.8°C)	ASTM D2161	3570	4155	3854
Viscosity, SUS at 210°F (98.9°C)	ASTM D2161			143.9
Viscosity, cSt at 40°C (104°F)	ASTM D445			697
Viscosity, cSt at 100°C (212°F)	ASTM D445			29.2
API Gravity, 60°F (15.6°C)	ASTM D1250			18.3
Specific Gravity, 60°F (15.6°C)	ASTM D4052			0.9446
Viscosity-Gravity Constant	ASTM D2501			0.872
Density, lbs/gal at 60°F	ASTM D1250			7.866
Molecular Weight	ASTM D2502			537
Flash Point, COC, °F (°C)	ASTM D92	440 (227)		459 (237)
Color, ASTM	ASTM D6045			D8.0
Pour Point, °F (°C)	ASTM D5949			21 (-6)
Volatility, wt%, 225°F (Evap. Loss)	ASTM D972			0.30
Water Content	ASTM D7546M	PASS		PASS
Glass Transition Temperature (Tg), °C	ASTM D3418			-56
Chemical Properties				
Acid Number, mg KOH/g	ASTM D664			0.33
Aniline Point, °F (°C)	ASTM D611			191.6 (88.6)
Sulfur, wt%	ASTM D4294			0.445
Sulfur, ppm	ASTM D4294			4446
Refractive Index, 20°C (68°F)	ASTM D1218			1.5257
UV Absorptivity at 260 nm	ASTM D2008			10.72
Clay-Gel, wt%	ASTM D2007			
Asphaltenes				10
Polar Compounds				12
Aromatics				31
Saturates				47
Health and Safety Properties				
Total Regulated PAH,* ppm	GCMS		10	6.2
Benzo(a)pyrene,† ppm	GCMS		1	0.4

*2005/69/EC
HyPrene B0150 is a product of Ergon Refining, Inc.
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