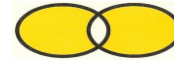


UNISOURCE-ENERGY, LLC
Specialty Paraffinic Oil
Typical Properties



Supplier Name	UNISOURCE	
Product Name	UNIPAR® 150 AC	
Test Description	ASTM NO.	
Specific Gravity @ 60°/60°F	D 1298	0.867
Gravity, °API @ 60°F	D 287	3.2
Density (Lb/Gal) @ 60°F	D 287	7.216
Color, ASTM	D 1500	L 1.0
Viscosity, SSU @ 100°F	D 88	158.5
Viscosity, SSU @ 210°F	D 88	43.8
Viscosity, cSt @ 40°C	D 445	30.7
Viscosity, cSt @ 100°C	D 445	5.23
Viscosity Index	D 2270	100
Viscosity Gravity Constant	D 2501	0.809
GC Distillation, % Off @ 700°F	D 2887E	< 7
Aniline point, °F (°C)	D 611	223.3 (106.3)
Pour Point, °F (°C)	D 97	2 (-17)
Flash Point, COC, °F (°C)	D 92	429 (221)
Refractive Index @ 20°C	D 1747	1.4751
Chemical Composition, mass %		
Clay Gel Analysis	D 2007	
Saturates		91.6
Aromatics		8.3
Polar Compounds		0.1
Asphaltenes		0
Sulfur, Wt.%	D 3120	0.0023
Chemical Abstract #	64742-54-7	
Meets FDA Procedure	178.3620 C Sep-11	

*The values shown here are representative of current production.
Some are controlled by manufacturing specifications, while others are not.
All may vary within modest ranges.*