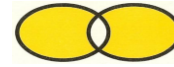


UNISOURCE-ENERGY, LLC
Specialty Paraffinic Oil
Typical Properties



Supplier Name	UNISOURCE
Product Name	UNIPAR® 500 OM

Test Description	ASTM NO.	
Specific Gravity @ 60°/60°F	D 1298	0.886
Gravity, °API @ 60°F	D 287	28.3
Density (Lb/Gal) @ 60°F	D 287	7.37
Appearance	Visual	B&C
Color, ASTM	D 1500	L1.0
Viscosity, SSU @ 100°F	D 88	480
Viscosity, SSU @ 210°F	D 88	
Viscosity, cSt @ 40°C	D 445	92.0
Viscosity, cSt @ 100°C	D 445	10.5
Viscosity Index	D 2270	97
Aniline point, °F (°C)	D 611	230 (110)
Pour Point, °C (°F)	D 97	-7 (+19)
Flash Point, COC, °C (°F)	D 92	490 (255)
Chemical Composition, Vol. %		
Clay Gel Analysis	D 2007	
Saturates		72.0
Aromatics		27.6
Polar Compounds		0.4
Asphaltenes		<0.1
Sulfur, Wt.%	D 3120	0.58

Chemical Abstract # 64741-88-4
Aug-03

*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.*