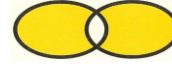


UNISOURCE-ENERGY, LLC
Specialty Parafinic Oil
Typical Properties



Supplier Name	UNISOURCE	
Product Name	UNIPAR® 220 TOM	
Test Description	ASTM NO.	
Specific Gravity @ 60°/60°F	D 1298	0.8670
Gravity, °API @ 60°F	D 287	31.8
Density (Lb/Gal) @ 60°F	D 287	7.22
Viscosity, SSU @ 100°F	D 88	217
Viscosity, SSU @ 210°F	D 88	
Viscosity, cSt @ 40°C	D 445	42.2
Viscosity, cSt @ 100°C	D 445	6
Viscosity Index	D 2270	104
GC Distillation, % Off @ 700°F	D 2887E	5
Color, ASTM	D 1500	< 0.5
Flash Point, COC, °F(°C)	D 92	439 (226)
Pour Point, °F(°C)	D 97	5 (-15)
Aromatics	wt%	<2.0
Sulfur, Wt.%	D 2622	<0.03
Sulpur, ppm	D 2622	<300
Chemical Abstract #	64742-54-7 Jan-15	

*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.*