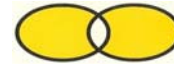


UniSource Energy, Inc.
Specialty Paraffinic Oil
Typical Properties



| | | |
|---------------------------------|----------------------|-----------|
| Supplier Name | UNISOURCE | |
| Product Name | UNIPAR® 100 TOM | |
| Test Description | ASTM NO. | |
| Specific Gravity @ 60°/60°F | D 1298 | 0.8550 |
| Gravity, °API @ 60°F | D 4052 | 34.0 |
| Density (Lb/Gal) @ 60°F | | 7.11 |
| Color, ASTM | D 1500 | 0.5 |
| Viscosity, SSU @ 100°F | | 109 |
| Viscosity, SSU @ 210°F | | 39.5 |
| Viscosity, cSt @ 40°C | D 445 | 20.8 |
| Viscosity, cSt @ 100°C | | 4.20 |
| Viscosity Index | D 2270 | 104 |
| GC Distillation, Off @ 700°F, % | D 2887 | 16 |
| Volatility, NOACK, wt. % | D 5800 | 25 |
| Pour Point, °F (°C) | D 5950 | 5 (-15) |
| Flash Point, COC, °F (°C) | D 92 | 405 (207) |
| Chemical Composition, mass % | | |
| Aromatics | | 1.5 |
| Sulfur, ppm | D 2622 | < 15 |
| Chemical Abstract # | 64742-54-7 Oct-06 | |

*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.*