

# RPER P300N

## Product Data Sheet

This severely hydrotreated paraffinic process oil provides excellent color stability and low volatility. It passes the IP 346 labeling requirement.

| TEST DESCRIPTION                    |                                     | TEST METHOD         | SPECIFICATIONS |              | MARKETING VALUES |
|-------------------------------------|-------------------------------------|---------------------|----------------|--------------|------------------|
|                                     |                                     |                     | Min            | Max          |                  |
| <b>Physical Properties</b>          |                                     |                     |                |              |                  |
| 1                                   | Viscosity, SUS at 100°F(37.8°C)     | ASTM D 445          | 300            | 330          | 313              |
| 2                                   | Viscosity, SUS at 210°F(98.9°C)     | ASTM D 445          |                |              | 54.1             |
| 3                                   | Viscosity, cSt at 40°C(104°F)       | ASTM D 341          |                |              | 60.7             |
| 4                                   | Viscosity, cSt at 100°C(212°F)      | ASTM D 341          |                |              | 8.3              |
| 5                                   | API Gravity, 60°F(15.6°C)           | ASTM D 1250         |                |              | 32.4             |
| 6                                   | Specific Gravity, 60°F(15.6°C)      | ASTM D 4052         |                |              | 0.8634           |
| 7                                   | Viscosity- Gravity Constant         | ASTM D 2501         |                |              | 0.7945           |
| 8                                   | Density, lbs/gal at 60°F            | ASTM D 1250         |                |              | 7.191            |
| 9                                   | Molecular Weight                    | ASTM D 2502         |                |              | 511              |
| 10                                  | Flash Point, COC, °F(°C)            | ASTM D 92           | 450(232)       |              | 495(253)         |
| 11                                  | Color, ASTM                         | ASTM D 6045         |                | 2.0          | L1.0             |
| 12                                  | Pour Point, °F(°C)                  | ASTM D 5949         |                | 10(-12)      | 0(-18)           |
| 13                                  | Volatility, wt%, 225°F (Evap. Loss) | ASTM D 972          |                |              | 0.03             |
| 14                                  | Water Content                       | WTP-OP-001          | PASS           |              | PASS             |
| 15                                  | Appearance                          | WTP-OP-020          | PASS           |              | PASS             |
| <b>Chemical Properties</b>          |                                     |                     |                |              |                  |
| 1                                   | Acid Number, mg KOH/g               | ASTM D 664          |                |              | 0.02             |
| 2                                   | Aniline Point, °F(°C)               | ASTM D 611          | 235.0(112.8)   | 255.0(123.9) | 248.1(120.0)     |
| 3                                   | Sulfur, wt%                         | ASTM D 4294         |                |              | 0.0005           |
| 4                                   | Sulfur, ppm                         | ASTM D 4294         |                |              | 5                |
| 5                                   | Refractive Index, 20°C (68°F)       | ASTM D 1218         |                |              | 1.4743           |
| 6                                   | UV Absorptivity at 260nm            | ASTM D 2008         |                |              | 0.10             |
| 7                                   | Clay-Gel, wt%                       | Asphaltenes         | ASTM D 2007    |              | <0.1             |
|                                     |                                     | Polar Compounds     |                |              | 0.1              |
|                                     |                                     | Aromatics           |                |              | 5.6              |
|                                     |                                     | Saturates           |                |              | 94.3             |
| 8                                   | Carbon Type Analysis, %             | Ca                  | ASTM D 2140    |              | 0                |
|                                     |                                     | Cn                  |                |              | 31               |
|                                     |                                     | Cp                  |                |              | 69               |
| <b>Health and Safety Properties</b> |                                     |                     |                |              |                  |
| 1                                   | Polycyclic Aromatic Compounds, wt%  | IP 346              |                | 3            | < 3              |
| 2                                   | Modified Ames Assay                 | ASTM E 1687         | PASS           |              | PASS             |
| 3                                   | FDA Regulation                      | 21 CFR 178.3620 (C) | PASS           |              | PASS             |

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