



# Product Data Sheet

## 91 Octane Unleaded Gasoline

|  | <u>ASTM Test Method</u> | <u>Specification</u>                             |                             |                              |
|--|-------------------------|--|-----------------------------|------------------------------|
| Gravity, API @ 60°F                    | D 287                   | Report   |                             |                              |
| Copper Strip Corrosion                 | D 130                   | No. 1 Max  |                             |                              |
| Solvent-washed Gum Content<br>mg/100mL | D 381                   | 5 Max  |                             |                              |
| Oxidation Stability, minutes           | D 525                   | 240 Min  |                             |                              |
| Octane, Motor                          | D 2700                  | 82.0 Min   |                             |                              |
| Octane, <u>Research + Motor</u><br>2   | D 482                   | 91.0 Min   |                             |                              |
| Sulfur, ppm                            | D 7039                  | 80 Max   |                             |                              |
| Lead Content, g/gallon                 | D 3237                  | 0.05 Max   |                             |                              |
| Phosphorous Content, g/gallon          | D 3231                  | 0.005 Max  |                             |                              |
|  |                         | Spring/Fall<br>4/1 – 4/30<br><u>9/16 – 10/31</u> | Summer<br><u>5/1 - 9/15</u> | Winter<br><u>9/16 - 4/30</u> |
| Distillation, °F                       | D 86                    |  |                             |                              |
| 10% Evaporated, °F                     |                         | 131 Max  | 158 Max                     | 122 Max                      |
| 50% Evaporated, °F, Min.               |                         | 150 Max  | 170 Min                     | 150 Min                      |
| 50% Evaporated, °F, Max.               |                         | 235 Max  | 250 Max                     | 230 Max                      |
| 90% Evaporated, °F                     |                         | 365 Max  | 374 Max                     | 365 Max                      |
| End Point, °F                          |                         | 437 Max  | 437 Max                     | 437 Max                      |
| Residue, Volume %                      |                         | 2.0 Max  | 2.0 Max                     | 2.0 Max                      |
| Reid Vapor pressure, psi               | D 5191                  | 13.5 Max   | 9.0 Max                     | 15.0 Max                     |
| Vapor/Liquid Ratio of 20:1, °F         | D 2533                  | 116 Min  | 124 Min                     | 105 Min                      |