

P1 RACING FUELS



102RX Evo2 (P-RG-001-08)

P1 Racing Fuels 102RX Evo2 is a very consistent component based racing fuel developed for atmospheric and turbo engines. With an emphasis on high quality, rally, rallycross and circuit applications the formulation provides consistent power increases in all types of engines compared to conventional petroleum fractions based racing fuels and features anti-knock additives.

TECHNICAL CHARACTERISTICS

FIA 2020 – APPENDIX J – ARTICLE 252

| PROPERTY | UNITS | TYPICAL DATA | MIN | MAX | TEST METHOD |
|---------------------|-------------------|--------------|---------------------|----------------------|--------------|
| RON | - | 102 | 95.0 ⁽¹⁾ | 102.0 ⁽¹⁾ | ISO 5164 |
| MON | - | 89.4 | 85.0 ⁽¹⁾ | 90.0 ⁽¹⁾ | ISO 5163 |
| DENSITY (AT 15°C) | kg/m ³ | 764.0 | 720.0 | 785.0 | ISO 12185 |
| OXYGEN | % m/m | 3.65 | - | 3.7 | EN ISO 22854 |
| NITROGEN | mg/kg | 25 | - | 2000 | ASTM D4629 |
| SULFUR | mg/kg | <1 | - | 10 | EN ISO 20846 |
| LEAD | mg/l | <5 | - | 5 | EN 237 |
| MANGANESE | mg/l | <2.0 | - | 2.0 | EN 16136 |
| BENZENE | % v/v | <1.00 | - | 1.00 | ISO 22854 |
| OLEFINS | % v/v | 15.9 | - | 18.0 | ISO 22854 |
| AROMATICS | % v/v | 33.0 | - | 35.0 | ISO 22854 |
| TOTAL DI-OLEFINS | % m/m | <1.0 | - | 1.0 | GC-MS |
| OXIDATION STABILITY | minutes | >360 | 360 | - | ISO 7536 |
| DVPE | kPa | 50.0 | - | 80 ⁽²⁾ | EN 13016-1 |
| NET HEATING VALUE | MJ/l | 31.4 | - | - | ASTM D3338 |
| A/F RATIO | kg Air/kg Fuel | 13.85 | - | - | calculation |

DISTILLATION CHARACTERISTICS

| | | | | | |
|---------------------|-------|-------|------|------|----------|
| AT E70 °C | % v/v | 25.9 | 20.0 | 52.0 | |
| AT E100 °C | % v/v | 53.3 | 46.0 | 72.0 | |
| AT E150 °C | % v/v | >75.0 | 75.0 | - | ISO 3405 |
| FINAL BOILING POINT | °C | <210 | - | 210 | |
| RESIDUE | % v/v | 0.9 | - | 2.0 | |

(1) A correction factor of 0.2 for MON and RON shall be subtracted for the calculation of the final result in accordance with EN 228: 2012

(2) The maximum DVPE may rise to 100 kPa for winter competitions.

To achieve optimum performance and utilize the unique features of this product it is recommended to optimize the Air/Fuel ratio and ignition advance. It is not recommended to mix this fuel with any other additives or other fuel blends. The fuel must be stored according to local legislation and in a dark cool place to maintain its properties.

PLEASE READ THE SAFETY DATA SHEET (MSDS) FOR HEALTH AND SAFETY INSTRUCTIONS BEFORE USING.

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