



Rockett BrandTM Racing Fuel



Rockett Brand 111 Racing Gasoline is a high octane, high quality leaded fuel designed exclusively for racing applications at sanctioned racing events. It has an octane rating (AKI) of 111 and a Motor Octane Number of 106. It is an approved fuel for competition by all major sanctioning bodies.

Rockett Brand 111 Racing Gasoline is the spec fuel for many racing series. It has been tested in engines with compression ratios up to 16 to 1 operating at speeds in excess of 9,000 rpm.

TYPICAL APPLICATIONS

- ◆ Circle Track Racing
- ◆ Drag Racing Cars
- ◆ Sports Cars
- ◆ Formula Cars
- ◆ Motorcycles
- ◆ Racing Boats

CAUTION: FOR OFF-HIGHWAY USE AT SANCTIONED RACING EVENTS ONLY

MEETS REQUIREMENTS:

ASTM D4814 Standard Specification for Automotive Spark-Ignition Engine Fuel, Volatility Class A

OUTSTANDING FEATURES

- ◆ 111 AKI Octane Number
- ◆ 106 Motor Octane Number
- ◆ Contains no alcohols or oxygenates
- ◆ Low vapor pressure for protection against vapor lock
- ◆ Controlled mid-range volatility for excellent throttle response and acceleration
- ◆ Phosphorus additive to control surface ignition
- ◆ Burns clean to resist deposit buildup
- ◆ Controlled composition & reproducible quality permits precise engine tuning for maximum performance on the track
- ◆ Oxidation and corrosion inhibited for longer shelf life⁽¹⁾

(1) Note: *Rockett Brand 111 Racing Gasoline* should be stored in a cool place only in metal containers as all racing gasolines are sensitive to light.

DESCRIPTION

Rockett Brand 111 Racing Gasoline is formulated from high octane gasoline blend stocks and selected additives. It is highly resistant to detonation under high speed, high output conditions. Its low vapor pressure quality provides protection against vapor lock. Mid-range volatility is carefully controlled to give excellent throttle response and acceleration. The composition of this fuel is carefully controlled to deliver consistent, reproducible quality, allowing precise engine tuning for maximum performance.

Rockett Brand 111 Racing Gasoline burns clean, leaves little or no deposits and allows maximum engine power to be developed. A phosphorus additive controls surface ignition. The high quality stocks used in this gasoline make it very stable and resistant to gum formation. This assures cleaner carburetors, injectors, intake manifolds, and valves. Antioxidants and corrosion inhibitors promote stability and longer shelf life. This gasoline does not contain any alcohols or other oxygenates.

TYPICAL INSPECTION TESTS:

Product Code.....	111L
Density, g/cm ³ @ 60°F.....	0.726
Gravity, °API.....	63.4
Color.....	Red
Di-Electric Constant.....	-0.2
Octane Number, AKI, (R+M)/2.....	111
Octane Number, Motor.....	106
Octane Number, Research.....	116
Reid Vapor Pressure, psi.....	6.0
Temperature @ V/L =6, °F.....	145
Distillation, °F @ % Evap.	
Initial Boiling Point.....	102
10.....	156
50.....	214
90.....	226
End Point.....	270
Copper Corrosion, ASTM D130.....	1A
Doctor Test, ASTM D4952.....	Negative
Existent Gum, ASTM D381, mg/100ml.....	1.0
Oxidation Stability, ASTM D525, minutes.....	1,440+
Lead, g/gal.....	<4.0
Sulfur, wt%.....	0
Viscosity, cSt @ 60°F.....	0.7