



# Rockett Brand™ Racing Fuel



*Rockett Brand 118 Racing Gasoline* is an ultra high octane, high quality leaded fuel designed exclusively for racing applications at sanctioned racing events. It has an octane rating (AKI) of 118 and a Motor Octane Number of 115+. It is specially formulated for large bore racing engines, high RPM four-stroke motorcycle racing engines, turbocharged, supercharged and nitrous oxide applications.

*Rockett Brand 118 Racing Gasoline* is especially suitable for NHRA & IHRA drag racing, and offshore boat racing. It has been tested in engines with compression ratios up to 17.5 to 1 and in racing motorcycle engines running over 13,000 rpm.

This gasoline burns faster than *Rockett Brand 111* or *Rockett Brand 114*. It has been used to improve performance by NHRA Stock and Super Stock racers. They take advantage of the faster burn characteristics even though they do not need the octane.

## TYPICAL APPLICATIONS

- ◆ Pro Stock Drag Racing Cars
- ◆ Pro Stock Motorcycles
- ◆ Supercharged Applications
- ◆ Nitrous Oxide Applications
- ◆ IHBA Racing
- ◆ Offshore Power 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

- ◆ 118 AKI Octane Number
- ◆ 115+ Motor Octane Number
- ◆ Contains no alcohols or oxygenates
- ◆ Low vapor pressure for protection against vapor lock
- ◆ Unique, light front end volatility characteristics
- ◆ Controlled mid-range volatility for excellent throttle response and acceleration
- ◆ 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<sup>(1)</sup>

**(1) Note:** *Rockett Brand 118 Racing Gasoline* should be stored in a cool place only in metal containers as all racing gasolines are sensitive to light.

## DESCRIPTION

*Rockett Brand 118 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 118 Racing Gasoline* has unique, light front end volatility characteristics that make it unlike other products on the market. It burns clean, leaves little or no deposits and allows maximum engine power to be developed. 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. An antioxidant promotes stability and longer shelf life. This gasoline does not contain any alcohols or other oxygenates.

### TYPICAL INSPECTION TESTS:

Product Code.....	118L
Density, g/cm <sup>3</sup> @ 60°F.....	0.704
Gravity, °API.....	69.5
Color.....	Yellow
Di-Electric Constant.....	-1.4
Octane Number, AKI, (R+M)/2.....	118
Octane Number, Motor.....	115+
Octane Number, Research.....	120+
Reid Vapor Pressure, psi.....	5.5
Temperature @ V/L =6, °F.....	145
Distillation, °F @ % Evap.	
Initial Boiling Point.....	100
10.....	156
50.....	199
90.....	207
End Point.....	222
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.....	6.0
Sulfur, wt%.....	0
Viscosity, cSt @ 60°F.....	0.7