



**Performance
Products**

Product Application Sheet

76 ProStock 118 Racing Gasoline

118 OCTANE RACING GASOLINE

76 ProStock 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 114. It is specially formulated for large bore racing engines, high RPM four-stroke cycle motorcycle racing engines, and turbocharged engines.

76 ProStock 118 Racing Gasoline is especially suitable for NHRA and IHRA drag racing applications. 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.

TYPICAL APPLICATIONS

High boost turbocharged gasoline engines.

Gasoline-fueled race vehicles such as:

- Pro stock drag racing cars
- Motorcycles

**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
- ◆ 114 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
- ◆ Resists gum formation
- ◆ Burns cleanly to resist deposit buildup
- ◆ Controlled composition and reproducible quality permits precise engine tuning for maximum performance on the track
- ◆ Oxidation inhibited for longer shelf life⁽¹⁾

⁽¹⁾ **Note:** 76 ProStock 118 Racing Gasoline should be stored in a cool place in metal containers only. It contains components that are sensitive to sunlight. Under no circumstances should it be stored in plastic jugs.

DESCRIPTION

76 ProStock 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 on the track.

76 ProStock 118 Racing Gasoline has unique, light front end volatility characteristics that make it unlike other products on the market. It burns cleanly, leaving little or no deposits, allowing maximum engine power. The high quality stocks used in this gasoline make it very stable and resistant to gum formation. This assures cleaner carburetors, intake manifolds, and valves. This fuel contains an antioxidant to promote stability and longer shelf life. It does not contain any alcohols or other oxygenates.

TYPICAL INSPECTION TESTS:

Product Code	00276
Density, g/cm ³ @ 15°C (60°F)	0.704
Gravity, °API	69.5
Color	Yellow
Octane Number, AKI, (R+M)/2	118
Octane Number, Motor	114
Octane Number, Research	120+
Reid Vapor Pressure, psi	5.5
Temperature @ V/L = 6, °C (°F)	63 (145)
Distillation, °C (°F) @ % Evap.	
Initial Boiling Point	37 (98)
10	69 (156)
50	92 (198)
90	98 (208)
End Point	107 (224)
Copper Corrosion, ASTM D130	1A
Doctor Test, ASTM D4952	Negative
Existent Gum, ASTM D381, mg/100 ml	1.0
Oxidation Stability, ASTM D525, minutes	1,440+
Lead, g/gal	6.0
Sulfur, wt %	0
Viscosity, cSt @ 16°C (60°F)	0.7