



## Product Information Sheet

# Sunoco FAS Racing Gasoline

Sunoco FAS racing gasoline is a high quality unleaded sustainable petrol conforming to FIA Appendix J 252.9.3.2 containing 70% sustainable components. Sunoco FAS provides sustainable power consistently. FAS has a high oxygen content of 4.7% enabling a more complete burn resulting in more power, cleaner burning and faster throttle response of the engine in most engine applications compared to pump fuels. The 101.5 RON and 89.5 MON provide protection against detonation up to compression ratios as high as 12.5:1 (higher in small bore aluminium cylinders and aluminium cylinder head applications).

### TYPICAL APPLICATIONS

- FIA sanctioned events where gasoline is used as a fuel.
- High Performance vehicles, turbo charged vehicles, water crafts and high revving motorcycles.
- Racing cars, motorcycles, karts and jet skies.
- Modern high performance sports cars.

### MEETS REQUIREMENTS

FIA Appendix J, 252.9.3.2

### OUTSTANDING FEATURES

- 101.5 Research Octane Number
- 89.5 Motor Octane Number
- Contains no lead additives
- Controlled mid-range volatility for excellent warm-up, acceleration and drivability
- Keeps carburettors and fuel injectors clean
- Resists gum formation
- Burns cleanly to resist deposit build up
- Oxidation and corrosion inhibited for longer shelf life
- Contains enhanced lubricity additives to support fuel pumps and valve train life
- Complete conformity and quality makes it possible to tune the engine precisely for maximum performance



## DESCRIPTION

Sunoco FAS racing gasoline is formulated from high octane chemicals and generation two sustainable blend stocks and selected additives. It has increased protection against detonation compared to normal “pump” fuel under high loads and in heavily tuned engines. It also resists detonation in high performance ‘hotter’-running modern engines at track days or other severe driving conditions. Its high oxygen content makes the Sunoco FAS ideal for engines where engine tuning is not possible. It can be used in any engine that normally runs “pump” fuels without the necessity of engine mapping. Fine tuning will improve performance, driveability and reliability.

The manufacturing process of this fuel is designed to provide a fuel that is consistent. Every batch is tested to meet Anglo American Oil Company’s stringent quality control procedures to allow precise engine tuning for maximum performance.

Sunoco FAS burns cleanly and therefore leaves little or no deposits, allowing maximum engine power for the duration of the engine life. The high quality components used in the Sunoco FAS make the fuel very stable and resistant to gum formation. Antioxidants and corrosion inhibitors promote stability and longer shelf life.

## Sunoco FAS TYPICAL INSPECTION TESTS

Property	Units	Method	Specification	Typical Figure
Density @ 15°C	kg/litre	ASTM D4052	0.720-0.785	0.763
Research Octane (EN228)	RON	ASTM D2699	min 95	101.5
Motor Octane (EN228)	MON	ASTM D2700	min 85	89.5
Lead	g/l	ASTM D3237	Max 0.005	<0.001
Oxygen	%m/m	Elemental	Max 7.5	4.7
DVPE	kPa	ASTM D5191	<80	44
Nitrogen	%m/m	ASTM D3228	Max 0.1	Conforms
Benzene	% volume	EN 238	Max 1.0	<0.2
Sulphur	ppm	ASTM D2622	Max 10	<2
Olefins	% volume	ASTM D1319	Max 18	3
Aromatics	% volume	ASTM D1319	Max 40	29.1
Initial Boiling Point	°C	ASTM D86		37
E @ 70°C, % volume		ASTM D86	20.0 – 52.0	21.6
E @ 100°C, % volume		ASTM D86	46.0 – 80.0	57.5
Final Boiling Point		ASTM D86	<210	203.5
Colour				Colourless