



Product Information Sheet

Sunoco CFR Racing Gasoline

Sunoco CFR racing gasoline is a high quality unleaded FIA 252.9 Appendix J, FIM and CIK conformant petrol designed to provide maximum power consistently. It has a moderate oxygen content of 2.2% enabling a more complete burn resulting in more power, cleaner burning and faster response of the engine in most engine applications compared to pump fuels. The 102RON and 90MON provides protection against knock up to compression ratios as high as 12.5:1 (higher in small bore aluminium cylinders and aluminium cylinder head applications) and is within the Motorsport UK specification (Blue book section P) for competition in all sanctioned events unless the championship specify 100RON fuels.

The Sunoco CFR conforms to the current British Standards for pump fuels BS EN228 and BS7800

TYPICAL APPLICATIONS

- All MSA, FIA, FIM and CIK 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

BS 7800 (Super Unleaded)

BS EN228 (Unleaded)

MSA pump fuel specification

FIA Appendix J, 252.9, FIM and CIK, BS EN228 and BS7800

OUTSTANDING FEATURES

- 102 Research Octane Numbers
- 90 Motor Octane Numbers
- 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

- Complete conformity and quality means possibility to tune the engine precisely for maximum performance



DESCRIPTION

Sunoco CFR racing gasoline is formulated from high octane 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 moderate oxygen content makes the Sunoco CFR ideal for engines where engine tuning is not possible. Can be used in any engine that normally runs “pump” fuels without the necessity of engine mapping. Fine tuning will of course improve performance and reliability.

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

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

Sunoco CFR TYPICAL INSPECTION TESTS

Property	Units	Method	Specification	Typical Figure
Density @ 15°C	kg/litre	ASTM D4052	0.7200-0.7800	0.75
Research Octane (EN228)	RON	ASTM D2699	min 95	101.6
Motor Octane (EN228)	MON	ASTM D2700	min 85	90
Lead	g/l	ASTM D3237	Max 0.005	<0.001
Oxygen	%m/m	Elemental	Max 2.7	2.2
DVPE winter	kPa	ASTM D5191	<100	<75
DVPE summer	kPa	ASTM D5191	<80	<60
Nitrogen	%m/m	ASTM D3228	Max 0.1	Conforms
Benzene	% volume	EN 238	Max 1.0	<0.2
Sulphur	ppm	ASTM D2622	Max 10	<3
Olefins	% volume	ASTM D1319	Max 18	<6
Aromatics	% volume	ASTM D1319	Max 35	35
Initial Boiling Point	°C	ASTM D86		35
E @ 70°C, % volume		ASTM D86	20.0 – 52.0	31
E @ 100°C, % volume		ASTM D86	46.0 – 72.0	48
E @ 150°C, % volume		ASTM D86	75.0 –	98
Final Boiling Point		ASTM D86	<210	160
Colour				Pale Green