



Product Information Sheet

Sunoco CMR Racing Gasoline

Sunoco CMR racing gasoline is a high quality unleaded MSA conformant 'pump' petrol designed to provide maximum power consistently. It has a high oxygen content resulting in more power, cleaner burning and faster response of the engine. The 100RON and 89MON provides protection against knock up to compression ratios as high as 11.5:1 (higher in small bore aluminium cylinders and aluminium cylinder head applications) and is within the MSA specification (Blue book section P) for competition in all MSA sanctioned events.

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

TYPICAL APPLICATIONS

- All MSA 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
FIM

OUTSTANDING FEATURES

- 100 Research Octane Numbers
- 88 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 CMR racing gasoline is formulated from high octane blend stocks and selected additives. It is blended utilising Alkylate Petroleum as a base which is the cleanest form of petrol available containing no benzene, sulphur or aromatics. It has an enhanced protection against detonation compared to normal 'pump' fuel under high revs and in heavily tuned engines. It also resists detonation in high performance 'hotter' running modern engines at track days or other severe driving conditions. It has proven to reduce combustion chamber temperatures due to its cold burning properties and found to give excellent power in normally aspirated engines and turbo charged engines.

The manufacturing process of this fuel is designed to provide a fuel that is 100% repeatable and that will perform the same batch after batch. Every batch is tested to meet our stringent quality control procedures to allow precise engine tuning for maximum performance.

Sunoco CMR burns extremely 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 CMR make the fuel very stable and resistant to gum formation. A multifunctional additive package provides carburettor and fuel injector detergency and minimises the formation of intake valve deposits. Antioxidants and corrosion inhibitors promote stability and longer shelf life. It does not contain any lead additives. A low Reid Vapour Pressure reduces possible vapour lock at hot ambient and/or hot under bonnet temperatures.

Sunoco CMR TYPICAL INSPECTION TESTS

Property	Units	Method	Specification	Typical Figure
Density @ 15°C	kg/litre	ASTM D4052	0.7200-0.7800	0.740
Research Octane (EN228)	RON	ASTM D2699	min 95	100
Motor Octane (EN228)	MON	ASTM D2700	min 85	88
Lead	g/l	ASTM D3237	Max 0.005	<0.001
Oxygen	%m/m	Elemental	Max 2.7	1.9
RVP	psi	ASTM D5191	6.5-8.7	7.9
Nitrogen	%m/m	ASTM D3228	Max 0.1	Conforms
Benzene	% volume	EN 238	Max 1.0	0.15
Sulphur	ppm	ASTM D2622	Max 10	<5
Olefins	% volume	ASTM D1319	Max 18	2.5
Aromatics	% volume	ASTM D1319	Max 35	34
Initial Boiling Point	°C	ASTM D86		28
E @ 70°C, % volume		ASTM D86		42
E @ 100°C, % volume		ASTM D86		55
E @ 150°C, % volume		ASTM D86		96
Final Boiling Point		ASTM D86		174
Colour				Pale Green