



Product Information Sheet

Sunoco E20R Racing Gasoline

Sunoco E20R racing gasoline is a high quality unleaded high oxygen content petrol designed to provide maximum power consistently. It has a very high oxygen content of 7.7% 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 105RON and 93MON provides excellent protection against knock up to compression ratios as high as 13.5:1 (higher in small bore aluminium cylinders and aluminium cylinder head applications)

The Sunoco E20R does not conform to the current British Standards for pump fuels BS EN228 and BS7800

TYPICAL APPLICATIONS

- 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

- None

OUTSTANDING FEATURES

- 105 Research Octane Numbers
- 93 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
- 20% Sustainable



DESCRIPTION

Sunoco E20R 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 very high oxygen content makes the Sunoco E20R ideal for engines where engine tuning is possible to maximise power.

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 E20R 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 E20R make the fuel very stable and resistant to gum formation. Antioxidants and corrosion inhibitors promote stability and longer shelf life.

Sunoco E20R TYPICAL INSPECTION TESTS

Property	Units	Method	Specification	Typical Figure
Density @ 15°C	kg/litre	ASTM D4052	0.7200-0.7800	0.735
Research Octane (EN228)	RON	ASTM D2699	min 95	105
Motor Octane (EN228)	MON	ASTM D2700	min 85	93
Lead	g/l	ASTM D3237	Max 0.005	<0.001
Oxygen	%m/m	Elemental	Max 2.7	7.7
DVPE	kPa	ASTM D5191	<100	48
Nitrogen	%m/m	ASTM D3228	Max 0.1	Conforms
Benzene	% volume	EN 238	Max 1.0	<0.2
Sulphur	ppm	ASTM D2622	Max 10	<1
Olefins	% volume	ASTM D1319	Max 18	<1
Aromatics	% volume	ASTM D1319	Max 35	16
Initial Boiling Point	°C	ASTM D86		34
E @ 70°C, % volume		ASTM D86	20.0 – 52.0	36
E @ 100°C, % volume		ASTM D86	46.0 – 72.0	60
E @ 150°C, % volume		ASTM D86	75.0 –	100
Final Boiling Point		ASTM D86	<210	122
Colour				Pale Green