



Product Information Sheet

Sunoco S70UE5 Racing Gasoline

Sunoco S70UE5 racing gasoline is a high quality unleaded sustainable petrol conforming to FIA Appendix J 252.9.3.2 containing 70% sustainable components. Sunoco S70UE5 provides sustainable power consistently. S70UE5 has a medium oxygen content of 2.6% enabling a more complete burn resulting in more power, cleaner burning and improved throttle response of the engine in most engine applications compared to pump fuels. The 99.5 RON and 88.3 MON provide protection against detonation up to compression ratios as high as 12.0:1 (higher in small bore aluminium cylinders and aluminium cylinder head applications).

TYPICAL APPLICATIONS

- Motorsport UK and 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

Motorsport UK definition pump fuel section a and FIA Appendix J, 252.9.3.2 , BS EN228

OUTSTANDING FEATURES

- 99.5 Research Octane Number
- 88.3 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 S70UE5 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 tuned engines. It also resists detonation in high performance ‘hotter’-running modern engines at track days or other severe driving conditions. Its medium oxygen content makes the Sunoco S70UE5 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 S70UE5 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 S70UE5 make the fuel very stable and resistant to gum formation. Antioxidants and corrosion inhibitors promote stability and longer shelf life.

Sunoco S70UE5 TYPICAL INSPECTION TESTS

Property	Units	Method	Specification	Typical Figure
Density @ 15°C	kg/litre	ASTM D4052	0.720-0.785	0.765
Research Octane (EN228)	RON	ASTM D2699	min 95	99.5
Motor Octane (EN228)	MON	ASTM D2700	min 85	88.3
Lead	g/l	ASTM D3237	Max 0.005	<0.001
Oxygen	%m/m	Elemental	Max 7.5	2.6
DVPE	kPa	ASTM D5191	<80	52
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	0
Aromatics	% volume	ASTM D1319	Max 40	32
Initial Boiling Point	°C	ASTM D86		34
E @ 70°C, % volume		ASTM D86	20.0 – 52.0	28
E @ 100°C, % volume		ASTM D86	46.0 – 80.0	43
Final Boiling Point		ASTM D86	<210	198
Colour				Colourless