Product Information Sheet

SUNOCO SR18 Racing Gasoline

SUNOCO SR18 is a leaded racing gasoline designed for exceptionally high performance two- and four-stroke competition engines generating high cylinder pressures. It has a very narrow distillation curve and a low final boiling point to help improve thermal combustion efficiency at high engine speeds. Sunoco SR18's distinctive fast burn characteristics provide more complete combustion than slower burning fuels in applications which operate in excess of 10,000 rpm. Due to the high tetraethyl lead (TEL) content, it should not be used in applications utilising oxygen sensors or catalytic converters.

TYPICAL APPLICATIONS

- All sanctioned events allowing leaded racing gasoline. High performance engines, turbo charged vehicles and high revving motorcycles.
- Turbocharged cars and motorcycles.
- Performance Motorcycles

MEETS REQUIREMENTS

None

OUTSTANDING FEATURES

- 120 Research Octane Numbers
- 116 Motor Octane Numbers
- Contains lead
- Narrow distillation curve improves combustion at high revving speeds
- Extremely fast burning.
- Low vapour pressure for protection against vapour lock
- Controlled mid-range volatility for excellent warm-up, acceleration and driveability
- Keeps carburettors and fuel injectors clean
- Resists gum formation
- Burns extremely cleanly to resist deposit build up
- Oxidation and corrosion inhibited for longer shelf life
- Complete conformity and quality allows precise engine tuning.

DESCRIPTION

SR18 is Sunoco's ultimate high octane, fast burning racing fuel. If you have a high compression, high RPM race engine, 120 octane Sunoco SR18 is your fuel of choice. SR18 is an excellent choice for drag racing and truck pulling, especially large displacement applications. For oval course and road racing applications, SR18 will tolerate the high cylinder pressures in racing classes where there are no compression ratio limitations. As with any gasoline, SR18 should be stored in opaque, tightly sealed containers where temperatures are stable.

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 SUNOCO's stringent quality control procedures to allow precise engine tuning.

SUNOCO SR18 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 SR18 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.

SUNOCO SR18 TYPICAL INSPECTION TESTS

Property	Units	Method	Typical Figure
Density at 15C	kg/litre	ASTM D4052	0.704
Reid Vapour Pressure (RVP)	lbs	ASTM D323	6
Research Octane	RON	ASTM D2699	120
Motor Octane	MON	ASTM D2700	116
Lead	g/l	ASTM D3237	<1.5
Nitrogen	% m/m	ASTM D3228	Conforms
Peroxides and Nitrooxides	ppm	ASTM D3703	Conforms
Benzene	% volume	ASTM D3606	<1
Sulphur	mg/kg	ISO 8754	<5
Initial Boiling Point	ºC	ASTM D86	37
10% evaporation	ºC	ASTM D86	74
50% evaporation	ºC	ASTM D86	98
90% evaporation	ºC	ASTM D86	101
Final Boiling Point (FBP)	ºC	ASTM D86	106
Colour			Yellow
Stoichiometric Air/Fuel Ratio			15.1