



Product Information Sheet

SUNOCO SUPREME Racing Gasoline

SUNOCO SUPREME is a leaded racing gasoline designed for sophisticated high compression engines which routinely function between 7,000 – 10,000 rpm. It is specially formulated with low sensitivity to achieve a high motor octane value for increased protection against detonation under severe operating conditions over higher sensitivity fuels of the same antiknock index. The 114RON and 110MON provides protection against knock up to compression ratios as high as 16:1.

The SUNOCO SUPREME is the control fuel of NASCAR.

TYPICAL APPLICATIONS

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

MEETS REQUIREMENTS

None

OUTSTANDING FEATURES

- 114 Research Octane Numbers
- 110 Motor Octane Numbers
- Contains lead
- 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

SUNOCO SUPREME leaded racing gasoline is formulated from high octane blend stocks and selected additives. It has a substantially increased protection against detonation compared to normal 'pump' fuel under severe operation conditions. Its fast burning properties makes the SUNOCO SUPREME an excellent choice in highly stressed and/or high revving engines. Its high lead concentration makes it a good blending fuel to boost change normal gasolines to leaded gasolines.

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 for maximum performance.

SUNOCO SUPREME 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 SUPREME 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 SUPREME TYPICAL INSPECTION TESTS

Property	Units	Method	Typical Figure
Density at 15C	kg/litre	ASTM D4052	0.715
Reid Vapour Pressure (RVP)	psi	ASTM D323	8
Research Octane	RON	ASTM D2699	114
Motor Octane	MON	ASTM D2700	110
Lead	g/l	ASTM D3237	<1
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	°C	ASTM D86	32
10% evaporation	°C	ASTM D86	68
50% evaporation	°C	ASTM D86	102
90% evaporation	°C	ASTM D86	113
Final Boiling Point (FBP)	°C	ASTM D86	127
Colour			Blue