



SHELL Unleaded E10 Petrol

E10 UNLEADED PETROL

DESCRIPTION

Shell Unleaded E10 Petrol is a high quality unleaded petrol that is formulated with 10% ethanol. It also contains Shell's exclusive Fuel Economy Formula which is designed to take you further by keeping your engine clean. This fuel will have a minimum octane of 91 in compliance with federal legislation, but the octane rating will typically be around 94 as a result of the addition of 10% ethanol to the unleaded petrol.

PERFORMANCE FEATURES

With a Research Octane Number of a minimum of 91 (typically around 94), Shell Unleaded E10 Petrol exceeds the requirements of the Federal Fuels Quality Standards Act (Petrol Determination) for unleaded petrol. This higher octane together with 10% ethanol makes Shell Unleaded E10 Petrol suitable for use in modern knock-sensor vehicles that are 10% ethanol compatible. Shell Unleaded E10 contains Shell's exclusive Fuel Economy Formula which is designed to help improve fuel economy by reducing efficiency losses caused by engine deposits. This fuel contains 10% ethanol which is a cleaner burning, renewable fuel component that helps to reduce Greenhouse gas emissions.

SUMMARY OF BENEFITS

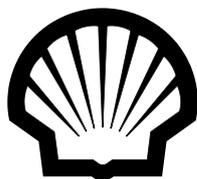
Shell Unleaded E10 contains Shell's exclusive Fuel Economy Formula which is designed to help improve fuel economy by reducing efficiency losses caused by engine deposits. The unique cleansing properties of Shell Unleaded E10 Petrol care for your car's engine - regardless of age. Shell Unleaded E10 Petrol is designed to remove carbon deposits on inlet valves and help keep fuel injectors, or carburettor systems, clean and in peak condition allowing the car's engine work the way it was meant to. Clean fuel injectors, carburettors and inlet valves help lead to consistently good gasoline/air mixture preparation, better combustion and better driveability. Ethanol is a cleaner burning, renewable fuel component that helps to reduce Greenhouse gas emissions.

APPLICATIONS

Shell Unleaded E10 Petrol can be used in most motor vehicle petrol applications where the vehicle requires petrol with an octane minimum of 91 RON and where the vehicle is suitable for a 10% ethanol-blend fuel.

To determine if your vehicle can operate on fuel containing 10% ethanol, visit the Federal Chamber of Automotive Industries (FCAI) web site <http://www.fcai.com.au/> or check with your vehicle manufacturer. Where engines require the use of Leaded Petrol to protect valve seats, a valve seat recession additive must be used with every fill of Shell Unleaded E10 Petrol.

If your vehicle manufacturer recommends a minimum 95 octane, then Shell V-Power or Shell Unleaded 95 should be used.



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Shell Unleaded E10 is not suitable for use in any aircraft, marine craft or small engines such as lawnmowers and chainsaws. Care should be taken before using in motorcycles with fibreglass fuel tanks (see your manufacturer for further details).

Shell Unleaded E10 Petrol is dispensed through a green marked hose which has a small diameter nozzle.

HEALTH & SAFETY

Shell Unleaded E10 Petrol is a highly flammable liquid, classified as a Dangerous Goods Class 3 Packaging Group II for transportation purposes. Avoid contact with the skin and eyes, and breathing vapours or mists. For further guidance on product health and safety refer to the appropriate Shell Material Safety Data Sheet.

TYPICAL CHARACTERISTICS

| DESCRIPTION | UNITS | METHODS | TYPICAL |
|----------------------------------|-------------------|-------------|-----------------------|
| Colour | - | Visual | Undyed – light straw* |
| Octane Number | - | ASTM D2699 | 94 [91 min] |
| Density | kg/m ³ | ASTM D4052 | 735.0 |
| Distillation | - | ASTM D86 | |
| Final Boiling Point | °C | - | 196 |
| Silver Corrosion (3 hr @ 50 °C) | - | D4814 Rev B | 1 |
| Copper Corrosion (3 hr @ 100 °C) | - | ASTM D130 | 1a |
| Ethanol | % vol. | | 9.7 [10 max] |
| Benzene | % vol. | ASTM D3606 | 0.6 |
| Sulphur | ppm | ASTM D1266 | 150 max |

* The members of the Australian Institute of Petroleum (AIP) have decided to change the colour of unleaded petrol (ULP) from red/orange to being undyed. Further information is available on the AIP website: <http://www.aip.com.au/topics/media.htm>

Document Information

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