

## Petrol E10

### Product:

Ultra Low Sulphur  
Petrol (E10)

### Applicable standards:

EN 228 : 2025  
(Table 1 - for E10)

### Use:

In petrol engine vehicles designed to run on unleaded petrol, including those equipped with devices to reduce exhaust gas pollutants

Sales specification	Units	Minimum	Maximum
Research Octane Number (RON)	-	95.0	-
Motor Octane Number (MON)	-	85.0	-
Lead content	mg/l	-	5.0
Density at 15°C	kg/m <sup>3</sup>	720.0	775.0
Sulphur content	mg/kg	-	10.0
Oxidation stability	minutes	360	-
Existent gum (solvent washed)	mg/100ml	-	5
Copper corrosion (3h at 50°C)	rating	-	Class 1
Hydrocarbon type content - olefins	% (v/v)	-	18.0
Hydrocarbon type content - aromatics	% (v/v)	-	35.0
Benzene content	% (v/v)	-	1.0
Oxygen content	% (m/m)	-	3.70
Oxygenates content			
Methanol	% (v/v)	-	3.0
Ethanol (including bioethanol)	% (v/v)	-	10.0
Iso-propyl alcohol	% (v/v)	-	12.0
Iso-butyl alcohol	% (v/v)	-	15.0
Tert-butyl alcohol	% (v/v)	-	15.0
Ethers (5 or more C atoms)	% (v/v)	-	22.0
Other oxygenates	% (v/v)	-	15.0
Vapour Pressure (DVPE)			
Summer (1 Jun - 31 Aug)	kPa	45.0	70.0
Intermediate (1 Sep - 15 Oct)	kPa	45.0	100.0
Winter (16 Oct - 15 Apr)	kPa	70.0	100.0
Intermediate (16 Apr - 31 May)	kPa	45.0	100.0
Vapour Lock Index (VLI) 10VP+7E70			
1 Sep - 15 Oct		-	1264
16 Apr - 31 May		-	1264
Distillation characteristics			
Evaporated at 70°C (E70)			
Summer (1 Jun - 31 Aug)	% (v/v)	22.0	50.0
Intermediate (1 Sep - 15 Oct)	% (v/v)	22.0	52.0
Winter (16 Oct - 15 Apr)	% (v/v)	24.0	52.0
Intermediate (16 Apr - 31 May)	% (v/v)	22.0	52.0
Evaporated at 100°C (E100)	% (v/v)	46.0	72.0
Evaporated at 150°C (E150)	% (v/v)	75.0	-
Final boiling point	°C	-	210
Distillation residue	% (v/v)	-	2

### Additional Information

1. Visual appearance should be clear and bright and free from undissolved water.
2. The Summer and Winter dates specified above apply to petrol at the point of supply to the consumer.
3. For distribution from terminals, the summer specification date shall apply from 16<sup>th</sup> May.
4. Performance additives (detergent, anti-foam etc.) added as necessary at depots.
5. Health, Safety and Environmental information is given on Safety Data Sheet.