

Petrol

Product:	Applicable standards:	Use:
Ultra Low Sulphur Petrol (ULSP)	BS EN 228:2012 + A1:2017 (Table 2 – for E5)	In petrol engine vehicles designed to run on unleaded petrol, including those equipped with devices to reduce exhaust gas pollutants.

SALES SPECIFICATION	UNITS	MIN	MAX
Research Octane number (RON)	-	95.0	-
Motor Octane number (MON)	-	85.0	-
Lead content	mg/l	-	5.0
Density at 15°C	kg/m ³	720.0	775.0
Sulphur content	mg/kg	-	10.0
Oxidation stability	minutes	360	-
Existent Gum (solvent washed)	mg/100ml	-	5
Copper strip corrosion (3 hrs at 50°C)	rating	Class 1	Class 1
Hydrocarbon type content			
Olefins	% (v/v)	-	18.0
Aromatics	% (v/v)	-	35.0
Benzene	% (v/v)	-	1.0
Oxygen content	% (m/m)	-	2.7
Oxygenates content			
Methanol	% (v/v)	-	3.0
Ethanol (including bioethanol)	% (v/v)	-	5.0
Iso-propyl alcohol	% (v/v)	-	10.0
Iso-butyl alcohol	% (v/v)	-	10.0
Tert-butyl alcohol	% (v/v)	-	7.0
Ethers (5 or more C atoms)	% (v/v)	-	15.0
Other oxygenates	% (v/v)	-	15.0
Vapour pressure (DVPE)			
Summer (1 June - 31 August)	kPa	45.0	70.0
Intermediate (1 Sept - 15 Oct)	kPa	45.0	100.0
Winter (16 Oct - 15 April)	kPa	70.0	100.0
Intermediate (16 April - 31 May)	kPa	45.0	100.0
Vapour Lock Index (10VP + 7E70)			
16 April - 31 May	-	-	1250
1 September - 15 October	-	-	1250
Distillation characteristics			
Evaporated at 70°C E70			
Summer (1 June - 31 August)	% (v/v)	20.0	48.0
Intermediate (1 Sept - 15 Oct)	% (v/v)	20.0	50.0
Winter (16 Oct - 15 April)	% (v/v)	22.0	50.0
Intermediate (16 April - 31 May)	% (v/v)	20.0	50.0
Evaporated at 100°C E100	% (v/v)	46.0	71.0
Evaporated at 150°C E150	% (v/v)	75.0	-
Final boiling point	oC	-	210
Distillation residue	% (v/v)	-	2

Additional Information

- Appearance should be clear and bright, free from undissolved water, sediment and suspended matter.
- The Summer and Winter dates specified above apply to petrol at the point of supply to the consumer.
- Performance additives (detergents, etc.) are added as necessary at depots.
- Health, Safety and Environmental information is given on the Material Safety Data Sheet