

Gasoline, Aviation Grade 100LL

Product: AVGAS 100LL	Applicable standards: DEF STAN 91-090 issue 5	Use: Aviation gasoline intended primarily for use in aircraft spark ignition reciprocating engines
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Sales specification	Units	Limits
Appearance		Dyed Blue
Colour	Lovibond	Min 1.7 / Max 3.5
Tetraethyl Lead Content	gPb/l	Min 0.28 / Max 0.56
Sulphur, total	% (m/m)	Max 0.05
Existent Gum	mg/100ml	Max 3.0
Density at 15°C	kg/m ³	report only
Freezing Point	°C	Max minus 58.0
Reid Vapour Pressure at 37.8 °C	kPa	Min 38.0 / Max 49.0
Specific Energy	MJ/kg	43.50
Copper Strip	Class	Max 1
Volume Change	ml	Max 2
Electrical Conductivity	pS/m	Min 50 / Max 600
Distillation		
Temperature at % of fuel evaporated		
10 vol %	at °C	Max 75
40 vol %	at °C	Min 75
50 vol %	at °C	Max 105
90 vol %	at °C	Max 135
Final Boiling Point	at °C	Max 170
Residue	% (v/v)	Max 1.5
Loss	% (v/v)	Max 1.5
Knock Rating		
Motor Octane Number (MON)		Min 99.6
Performance Number		Min 130.0
Oxidation Stability, 16 Hours		
Potential Gum	mg/100ml	Max 6
Precipitate	mg/100ml	Max 2

Additional Information

1. Visual appearance should be clear, bright and visually free from solid matter and undissolved water at ambient fuel temperature.
2. Conductivity additive may have been used to ensure electrical conductivity meets the specification limits.
3. Health, Safety and Environmental information is given on Material Safety Data Sheet.

All Greenenergy fuels are designed for optimum operating and emissions performance.
For further information phone 020 7404 7700.