

AVGAS 100LL

Guaranteed technical properties

Aviation gasoline AVGAS 100 LL is produced according to stringent manufacturing specifications and meets the requirements of standard DEF STAN 91-90 ed.3, ASTM D910 and WT-09/OBR PR/PD/48.

Colour	Blue	
Knock rating		
Motor Octane Number, MON		Min 99,6
Performance Number, PN		Min 130
Distillation		
Initial boiling point	°C	Report
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	°C	Max 170
Productivity	% (v/v)	Min 97
Residue volume	% (v/v)	Max 1,5
Loss	% (v/v)	Max 1,5
sum of 10%+50% evaporated	°C	Min 135
Total sulphur	% (m/m)	Max 0,05
Lead content	gPb/l	Max 0,56
Density at t=15 °C	kg/m ³	Report
Specific energy	MJ/kg	Min 43,5
Freezing point	°C	Max (-58)
Copper strip corrosion		
2h at t=100°C	Corrosion level	Max 1
Existent gum	mg/100ml	Max 3
Water reaction		
volume change	ml	Max±2
Electrical conductivity at 20°C	pS/m	50-450
Reid vapour pressure at 37,8°C	kPa	38-49
Oxidation stability 16 h at 100°C		
potential gums		Max 6
precipitate		Max 2

Characteristics

Aviation gasoline AVGAS 100LL is a high octane mixture of hydrocarbons prepared by the processing of crude oil. It contains anti-knock, anti-oxidant, dye and anti-static additives.

Application

Aviation gasoline AVGAS 100 LL is used to power piston-engine aircraft.

Stability

Properly stored aviation gasoline meets requirements of the above specification in a period of not less than 24 months from the date of manufacture.

Classification and labeling

According to the data sheet.

ADR - UN1203 MOTOR FUEL (GASOLINE), 3, II, (D/E)
CN CODE - 27101231
Phrases R: 11, 20/21/22, 33, 38, 48/20, 51/53, 63, 65
Phrases S: 9, 16, 36/37, 53, 62

PERFORMANCE | RELIABILITY | CONSISTENCY