

AVIATION GASOLINE 100LL

Technical Data Sheet

Aviation Gasoline (AVGAS) 100LL is a low-lead gasoline intended for aircraft piston engines. It is widely used in private, commercial and military training planes. As well as, transport and crop-spraying aircrafts. It is recommended for piston engines that require a small amount of lead as protection from valve seat recession. It is dyed blue.

International Specifications

- ASTM D 910
- DEF STAN 91-90 (DERD 2485)

Typical Properties

Color	Blue
Motor Octane Number	102
Lead, g/L	0.54
Density, @15 °C kg/L	0.7174
Reid Vapor Pressure, kPa	43.7
Net Heat of Combustion, MJ/kg	45
Sulfur, % mass	0.0005
10% Distillation, % at °C	64
40% Distillation, % at °C	99
50% Distillation, % at °C	100
90% Distillation, % at °C	111
Final Boiling Point, °C	160
Recovery Volume, %	98
Residue Volume, %	1
Loss Volume, %	1
Copper Strip Corrosion, 2 hr @ 100 °C	1A
Existent Gum, mg/100 mL	0.8
Lead Precipitate, mg/100 mL	<1
Water Reaction, Volume Change, mL	0.0
Electrical Conductivity, pS/m	1

JS Union Oils and Trading, Inc.

1-C Victoneta Avenue, Potrero, Malabon City, Metro Manila, 1475 Philippines

Tel. Nos.: +63 2 4470090 / +63 2 8554681

Fax No.: +63 2 4482823

rev. 0 / 11-02-2017