

AVGAS 100 LL



Avgas 100 LL supplied by **Eni** is an aviation gasoline with high octane number and low lead content which is employed for fueling aircraft powered by reciprocating spark ignition engines.

Avgas 100 LL complies with the standard ASTM D 910.

CHARACTERISTICS	UNIT	VALUE		METHOD ⁽¹⁾
		min.	max.	
Colour		blu		ASTM D 2392
Density at 15°C	kg/m ³	Tipico 720		ASTM D 1298, ASTM D 4052
MON		99,6		ASTM D 2700
Tetraethyl lead	g Pb/l		0,56	ASTM D 3341, ASTM D 5059
Distillation:				ASTM D 86
10% v/v	°C		75	
40% v/v	°C	75		
50% v/v	°C		105	
90% v/v	°C		135	
Final boiling point	°C		170	
Sum of 10%+50% evap.	°C	135		
Recovery	% v/v	97		
Residue	% v/v		1.5	
Loss	% v/v		1.5	
Vapour pressure at at 38°C	kPa	38,0	49,0	ASTM D 323, ASTM D 5190, ASTM D 5191
Freezing point	°C		-58	ASTM D 2386
Net heat of combustion	MJ/kg	43,5		ASTM D 4529, ASTM D 3338
Electrical conductivity ⁽²⁾	pS/m	50	450	ASTM D 2624
Oxidation stability (5h aging)				ASTM D 873
Potential gums	mg/100 ml		6	
Lead precipitate	mg/100 ml		3	
Sulphur content	% m/m		0,05	ASTM D 1266, ASTM D 2622
Water reaction				ASTM D 1094
Volume change	ml		±2	
Copper strip corrosion (2h at 100°C)			1a	ASTM D 130

(1) The reported test methods for the same characteristic are to be intended as alternative methods.

(2) Limit applied only when an electrical conductivity additive is used