

IGNITE E100

TECHNICAL DATA SHEET

DESCRIPTION

99.9% Ethanol. Product has been denatured FOR AUTOMOTIVE USE with Valve Seat Recession additives to prevent deposit build up on intake valves and corrosion inhibitors but also includes a combustion additive to reduce detonation further and a top end lubricant to protect valves and guides, protection of aluminium fuel system parts and cylinder walls. IGNITE E100 is a specialised Fuel and a vehicle has to be tuned for it accordingly. Product is best suited for calibration engineers who require consistency for fine tuning. Best suited for flex fuel systems designed for Ethanol blends. E100 blend designed for applications of 500+hp. This fuel is perfect for both forced induction and high compression applications. With superior burn speed and energy value, E100 will reduce engine temperatures while delivering more power and torque outperforming similarly rated unleaded petrol based fuels.

- Fuel Ethanol Guidelines, Specifications and Procedures #960501
- Treated with Upper Lubricant
- Treated with Ethanol Shield Stabilizer

REFERENCE NO.

201903013E100/06

DATE

16-09-2024

BATCH NO.

12092024A

INSTRUCTIONS

(DIRECT-TO-TANK)

S No.	Parameters	Unit	Typical Results	Testing Method
1	Appearance	----	Clear Liquid	Visual
2	Colour	----	< 1 Slight Yellow	ASTM D1500
3	Specific Gravity @ 20°C	----	0.7885	ASTM D1298
4	Total Purity By GLC	%	99.99	GLC In-House Method
5	Flash Point	°C	12	ASTM D93
6	Water Content	PPM	Nil	ASTM D6304

7	RON	----	114	ASTM 2699
8	MON	----	103	ASTM 2700
9	R+M/2	----	108.5	
10	Melting Point / Range	°C	-88.5	ASTM D5453
11	Boiling Point	°C	78.4	ASTM D5443
12	Auto Ignition Temperature	°C	363	ASTM D5443
13	Lower Explosion Limit	(V)	3.3%	ASTM E681-04
14	Upper Explosion Limit	(V)	19%	ASTM E681-04
15	Viscosity	mPa.s	2.4	ASTM D445
16	Relative Vapour Density		2.09	ASTM D4052
17	Lubricity	Cst	4	ASTM 51350

DISCLAIMER

The results displayed in this data sheet have been acquired using the latest revision of the methods indicated unless stated otherwise and may not be reproduced (except in full) without the written approval of Fast Racing Fuels. This test report is computer generated so a signature/stamp is not necessary.



Performance

Formulated for specific applications to ensure optimum performance.



Consistency

All our products offer industry leading levels of consistency and repeatability.



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We pride ourselves on offering the highest standard of quality in each of our products.