



FUEL SPECIFICATIONS SHEET

ELF TURBO MAX

SUPERCHARGED 4-STROKE ENGINES UNLEADED

		Typical figures	FIA Regulation
DENSITY	Kg/l at 15°C	0.779	0.720 to 0.785
REID VAPOUR PRESSURE	bar à 37,8°C	0.630	maxi 0.900
RON		101.7	mini 95 / maxi 102
MON		88.0	mini 85 / maxi 90
DISTILLATION (°C)	30 %	67	
	50 %	100	
	90 %	121	
	FBP	138	maxi 225°C
	% vol at 70°C	34	10 to 47 %
	% vol at 100°C	51	30 to 70 %
OXYGEN %	% Mass	3.6	3.7 % maxi
LEAD CONTENT	g/litre	< 0.001	0.013 g/l maxi

APPLICATIONS

- Complies with the FIA regulation.
- Especially blended for supercharged engines of Groups A, N and Proto cars.
- **ELF TURBO MAX** allows to optimise supercharged pressure and ignition timing thanks to a selection of petroleum streams which present a strong resistance to pinking on supercharged engine. But the best results have been achieved thanks to an original fuel blend which combine for the best knock resistance and speed of combustion. Furthermore the high oxygen content improves the volumetric efficiency of the engine.

RECOMMENDATIONS

- The best mapping concerning air/fuel equivalence ratio (1.25 to 1.30), supercharging pressure and ignition advance will give optimum results. The difficulty is that on turbocharged engines, these three parameters are fundamental and completely dependant to each other.
- **Air/fuel ratio must absolutely be checked and re-tuned if necessary** because of the extremely high density and oxygen content of **ELF TURBO MAX** compared to the usual commercial fuel quality.
- In order to maintain the original properties, and according to Health and Safety regulations of commercial fuels, this gasoline shall be handled and stored in a cool place and always maintained in tightly shut drums.