



FUEL SPECIFICATIONS SHEET

ELF PERFO RALLYE

4-STROKE ATMOSPHERIC ENGINES UNLEADED

Typical figures

DENSITY	Kg/l at 15°C	0.754
REID VAPOUR PRESSURE	bar at 37,8°C	0.670
RON		100.7
MON		85.7
DISTILLATION (°C)	30 %	55
	50 %	70
	90 %	134
	FBP	143
OXYGEN %	% Mass	3.4
LEAD CONTENT	g/litre	< 0.005

APPLICATIONS

- **This fuel does not refer to any regulation** (e.g. it does not comply with FIA regulation).
- Especially blended for 4-stroke natural aspirated engines running at high rpm. Thanks to a selection of the most energetic hydrocarbons with particularly high combustion speed, this fuel offers the best engine performances, which can be achieved, both in steady state (max power) and transient conditions.

RECOMMENDATIONS

- With **ELF PERFO RALLYE**, we recommend a max compression ratio of about 12. Above this limit, pinking problems may appear. Therefore compression ratio must be reduced if necessary: thanks to fast burning components better performances can be achieved without pinking.
- In the same way, it is generally observed that optimum ignition setting are reached by retarding comparatively to conventional fuels.
- Best results can be achieved for equivalent air/fuel ratios in the 1.12 to 1.18 range.
- 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.
- The hydrocarbons selected to blend this fuel present a particular sensitivity to knock when used in 2-stroke engines: Therefore, be strongly advised against using this fuel in 2-stroke engines. (except for 2-stroke Kart 100cc engines having max rev. speed above 18000 rpm where this fuel can find an excellent application).