

TECHNICAL DATA SHEET

« Our formulation guarantees you a fuel with an octane number (RON) greater than 102 and with properties that remain stable over time. This constant and optimum search for quality ensures high-level performance. »

USES

Developed for all types of racing, **ELF RACE 102** fuel reference meets the economic expectations of service station unleaded premium (93) fuel users, while providing quality and performance of a race fuel.

ELF RACE 102 is suitable for turbo-charged or naturally aspirated, 4-stroke engines as well as for 2-stroke engines.

ELF RACE 102 can be used in circuit, rally and hill climbing, in naturally aspirated engines usually running on leaded fuel.

PROPERTIES

		Typical data
Octane number	RON	> 102,0
	AKI (R+M)/2	> 95
Specific Gravity at 59°F		0.720 – 0.780
Distillation	% vol. at 158 °F	15 - 45
	% v/v, at 212°F	50 - 75
Stoichiometric A/F Ratio	/	13,75
Oxygen content	% w/w	< 3,70
Sulphur content	mg/kg	< 10,0
Lead content	g/L	< 0,005
Benzene content	% v/v	< 1,0
Color	Visual aspect	Limpid colourless

CHARACTERISTICS

CHARACTERISTICS	→	TECHNICAL ADVANTAGES	→	ENGINE BENEFITS
Research octane Number (AKI) greater than 95	→	Excellent knocking resistance for perfectly controlled combustion	→	Allows the use of optimised ignition settings
	→	Can be used with original engine mapping (unleaded 91 premium fuel)	→	Reliability under severe application conditions (heat/humidity)
Selection of high molecules energy content	→	Improved fuel energy content	→	Increased engine power at same injection level
ASVR additives	→	Protection of valve seats	→	Engine reliability
Oxygenate compound content	→	Improved engine filling (compared to unleaded 93 premium fuel)	→	Significantly increases engine power

RECOMMANDATIONS

ELF RACE 102 can be used with the same engine mapping as unleaded 98 fuel. With or without suitable adjustments, **ELF RACE 102** provides significant power gains, while maintaining reliability. However, engine set-up should preferably be optimised (sparking advance, fuel flow...) to obtain full benefit from this product.

ELF RACE 102, for 2-stroke engine, can be mixed with the lubricant **ELF HTX 909** or with **ELF HTX 976+**, for even more efficiency.

Conservation : to maintain its original properties, in accordance with the Fuel Health and Safety regulations, **ELF RACE 102** should be handled and stored in the shade and sheltered from adverse weather conditions and must be perfectly sealed in its drum after each use, in order to avoid losing the lightest fractions.

WARNING

California's Proposition 65 - <https://www.p65warnings.ca.gov/>