

ELF RACE 102



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 98 fuel users, while providing quality and performance of a race fuel.

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

This fuel is not compliant with official FIM or FIA regulations.

PROPERTIES

		Typical data	
		ELF RACE 102	Unleaded 98
Octane number	RON	> 102,0	97,0 – 99,0
	MON	> 88,0	> 85,0
Density at 15°C	kg/L	0,720 – 0,780	0,720 – 0,775
Distillation	% v/v, at 70°C	15,0 – 45,0	20,0 – 48,0
	% v/v, at 100°C	50,0 – 75,0	46,0 – 71,0
Oxygen content	% w/w	< 3,70	< 2,70
Sulphur content	mg/kg	< 10,0	< 10,0
Lead content	g/L	< 0,005	< 0,005
Benzene content	% v/v	< 1,0	< 1,0

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CHARACTERISTICS

CHARACTERISTICS	→	TECHNICAL ADVANTAGES	→	ENGINE BENEFITS
Research Octane Number (RON) greater than 102	→	Excellent knocking resistance for perfectly controlled combustion Can be used with original engine mapping (unleaded 98 fuel)	→	Allows the use of optimised ignition settings Reliability under severe application conditions (heat/humidity)
Selection of high molecules energy content	→	Improved fuel energy content	→	Increased engine power at same injection level
Oxygenate compound content	→	Improved engine filling (compared to unleaded 98 fuel)	→	Significantly increases engine power

RECOMMANDATIONS

ELF RACE 102 can be used with the same engine mapping as unleaded 98 fuel. With suitable adjustments, **ELF RACE 102** provides significant power gains, while maintaining reliability.

To get the most out of this product, the spark advance should preferably be optimised.

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.