

## TECHNICAL DATA SHEET

« Our formulation guarantees you a fuel with a high engine octane rating (RON) and with properties that remain stable over time. This constant and optimum search for quality ensures high-level performance, in conformity with FIM regulations. »

### USES

**ELF MOTO2 FIM** is an unleaded fuel suitable for naturally aspirated 4-stroke engines as well as for 2-stroke engines. This fuel is designed exclusively for high and very high speeds engines used in motorcycle racing.

**ELF MOTO2 FIM** is the cost effective FIM compliant racing fuel for bikers. Compared to pump fuels, this fuel guarantees stable tuning and performance gains at an affordable price.

**ELF MOTO2 FIM** is particularly suited to competitions like:

- Superbike / Supersport
- Endurance / Enduro
- MX/SX,
- Supermoto...

### PROPERTIES

		Typical data	
		ELF MOTO2 FIM	Unleaded 98 usual
Octane number	RON	101,0	97,0 – 99,0
	MON	88,5	> 85,0
Density at 15°C	kg/m <sup>3</sup>	750,0	720 – 775
Vapour Pressure at 37,8°C	kPa	68	20 – 48
Distillation	% v/v, at 100°C	50 – 71	46 - 71
Air Fuel Ratio at stœchiometry		14,05	
Oxygen content	% m/m	≤ 2,70	< 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

## CHARACTERISTICS

CHARACTERISTICS	→	TECHNICAL ADVANTAGES	→	ENGINE BENEFITS
High <b>octane number</b>	→	Better resistance to <b>knocking</b> for controlled combustion	→	Better reliability under severe application (heat/ humidity) Allows work with optimised ignition timing Spontaneous power gains
High <b>density</b> and <b>net calorific value</b>	→	High energy content of fuel	→	Significant improvement of fuel consumption
<b>Chemical composition</b> adjusted	→	<b>High combustion speed</b> for comfortable combustion control up to 15,000 rpm	→	Excellent engine response in transient phase
Very low <b>benzene</b> and <b>sulphur</b> content	→	<b>Harmless</b>	→	ELF MOTO2 FIM respects both the environment and health.

## RECOMMENDATIONS

**ELF MOTO2 FIM** can be used with the same engine mapping as unleaded 98 fuel.

With or without suitable adjustments, **ELF MOTO2 FIM** provides significant power gains, while maintaining reliability. However, engine setting have to be optimised (Air/Fuel ratio, Ignition Timing, fuel flow rate ...) to obtain full benefit from **ELF MOTO2**.

**ELF MOTO2 FIM**, 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 MOTO2 FIM** 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.