

TECHNICAL SPECIFICATION EN590 DIESEL FUEL



PRODUCT OVERVIEW

EN590 Diesel Fuel is a high-quality automotive diesel fuel that meets the European standard EN590. It is designed to deliver optimal performance and protection for diesel engines while adhering to stringent environmental regulations. Suitable for all diesel engines, including those with advanced emission control systems.

PRODUCT SPECIFICATIONS

Property	Specification	Unit
Cetane Number	Minimum 51.0	-
Density @ 15°C	820 - 845	kg/m ³
Viscosity @ 40°C	2.0 - 4.5	mm ² /s
Sulfur Content	Maximum 10	mg/kg (ppm)
Flash Point	Minimum 55	°C
Cold Filter Plugging Point (CFPP)	-5 (Summer) / -15 (Winter)	°C
Polycyclic Aromatics	Maximum 8.0	% (m/m)
Ash Content	Maximum 0.01	% (m/m)
Water Content	Maximum 200	mg/kg
Lubricity, Wear Scar Diameter @ 60°C	Maximum 460	µm
Carbon Residue (on 10% distillation residue)	Maximum 0.30	% (m/m)
Distillation	95% recovered at 360 max	°C
Oxidation Stability	Minimum 25	g/m ³
Cloud Point	Specified according to climate zone	°C
Copper Strip Corrosion (3 hours @ 50°C)	Maximum Class 1	-
FAME (Fatty Acid Methyl Esters) Content	Maximum 7.0	% (v/v)

KEY FEATURES

- High Cetane Number: Ensures efficient combustion, smooth engine operation, and reduced emissions.
- Low Sulfur Content: Complies with EU regulations for ultra-low sulfur diesel (ULSD), reducing sulfur oxides and particulate emissions.
- Improved Lubricity: Protects fuel injection equipment, reducing wear and extending engine life.
- Cold Weather Performance: CFPP specifications ensure reliable engine performance in cold climates.
- Environmentally Friendly: Meets stringent European emission standards, contributing to reduced air pollution.

APPLICATIONS

EN590 Diesel Fuel is suitable for use in:

- Passenger cars
- Commercial vehicles
- Industrial machinery
- Agricultural equipment
- Marine engines
- Generators

STORAGE AND HANDLING

- Storage Temperature: Store in a cool, dry place away from direct sunlight.
- Shelf Life: Typically up to 12 months when stored under optimal conditions.
- Handling: Use proper protective equipment to avoid skin and eye contact. Ensure good ventilation during handling.

SAFETY AND ENVIRONMENTAL CONSIDERATIONS

- Safety: EN590 Diesel Fuel is flammable. Keep away from open flames and sources of ignition. Refer to the Safety Data Sheet (SDS) for detailed safety information.
- Environmental Impact: Spills should be contained and cleaned up immediately to prevent soil and water contamination.