



ExxonMobil Residual Marine Fuel Oil (RMFO)

Product Description

EXXON MOBIL Corporation supplies marine fuels around the world through its dedicated ExxonMobil Marine Fuels (EMMF) division. Should you require information about the typical properties of fuel currently available in certain locations, please contact your EMMF representative, who will be able to help you.

You can be sure that the fuel you buy through EMMF meets stringent quality requirements, wherever it is delivered. To achieve this, EMMF supplies marine fuels that meet particular specifications. These specifications apply to fuels produced by ExxonMobil, as well as to those fuels acquired for resale by EMMF through purchase or exchange from other sources.

EMMF's specifications are reviewed regularly so that they incorporate the latest equipment and industry requirements, including the standards set by organisations such as ASTM and ISO.

Specifications

Grade	RMA 10	RMB 30	RMD 80	RME 180	RMG 180	RMG 380	RMG 500	RMG 700	RMK 380	RMK 500	RMK 700
Viscosity @ 50 °C, cSt	10.00	Max.30.00	Max.80.00	Max.180.0	Max.180.0	Max.380.0	Max.500.0	Max.700.0	Max.380.0	Max. 500.0	Max. 700.0
Density @ 15 °C, kg/m ³	920.0	Max.960.0	Max.975.0	Max.991.0	Max.991.0	Max.991.0	Max.991.0	Max.991.0	Max.1010.0	Max.1010.0	Max.1010.0
CCAI, Calculated	850	Max. 860	Max. 860	Max. 860	Max. 870	Max. 870	Max. 870	Max. 870	Max. 870	Max. 870	Max. 870
Sulphur, Mass %	Statutory Requirements										
Flash Point, °C	60.0	Min. 60.0	Min. 60.0	Min. 60.0	Min. 60.0	Min. 60.0	Min. 60.0	Min. 60.0	Min. 60.0	Min. 60.0	Min. 60.0
Hydrogen Sulphide, mg/kg	2.00	Max. 2.00	Max. 2.00	Max. 2.00	Max. 2.00	Max. 2.00	Max. 2.00	Max. 2.00	Max. 2.00	Max. 2.00	Max. 2.00
Acid Number, mg KOH/g	2.5	Max. 2.5	Max. 2.5	Max. 2.5	Max. 2.5	Max. 2.5	Max. 2.5	Max. 2.5	Max. 2.5	Max. 2.5	Max. 2.5
Total Sediment, Aged, Mass %	0.10	Max. 0.10	Max. 0.10	Max. 0.10	Max. 0.10	Max. 0.10	Max. 0.10	Max. 0.10	Max. 0.10	Max. 0.10	Max. 0.10
Carbon Residue, Micro, Mass %	2.50	Max. 10.00	Max.14.00	Max.15.00	Max.18.00	Max.18.00	Max.18.00	Max.18.00	Max.20.00	Max. 20.00	Max. 20.00

Pour Point

Winter Quality, °C	0	Max. 0	Max. 30	Max. 30	Max. 30	Max. 30	Max. 30	Max. 30	Max. 30	Max. 30	Max. 30
Summer Quality, °C	6	Max. 6	Max. 30	Max. 30	Max. 30	Max. 30	Max. 30	Max. 30	Max. 30	Max. 30	Max. 30
Water, Vol. %	0.30	Max. 0.50	Max. 0.50	Max. 0.50	Max. 0.50	Max. 0.50	Max. 0.50	Max. 0.50	Max. 0.50	Max. 0.50	Max. 0.50
Ash, Mass %	0.040	Max.0.070	Max.0.070	Max.0.070	Max.0.100	Max.0.100	Max.0.100	Max.0.100	Max.0.150	Max. 0.150	Max. 0.150
Vanadium, mg/kg	50	Max. 150	Max. 150	Max. 150	Max. 350	Max. 350	Max. 350	Max. 350	Max. 450	Max. 450	Max. 450
Sodium,	50	Max. 100	Max. 100	Max. 50	Max. 100	Max. 100	Max. 100	Max. 100	Max. 100	Max. 100	Max. 100

mg/kg

Aluminium +

Silicon, 25 Max. 40 Max. 40 Max. 50 Max. 60 Max. 60 Max. 60 Max. 60 Max. 60 Max. 60 Max. 60 Max.

mg/kg

 The fuel shall be free of used lubricating oil (ULO). A fuel shall be considered to contain ULO if one of the following conditions is met:

Calcium + Calcium > 30 and Zinc >15

Zinc, mg/kg

Calcium +

Phosphorus, Calcium > 30 and Phosphorus > 15

mg/kg

Health & Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDSs are available via the Internet at ExxonMobil.com. This product should not be used for purposes other than its intended use.

MAIN HAZARD: FIRE

Keep away from ignition sources.

Discharge your static electricity before fueling.

Fill portable containers on the ground.

Handle/Transport in closed or properly vented containers and systems, consistent with all applicable laws.

Harmful or fatal if swallowed.

Avoid breathing the vapors and skin contact.

Do not wash down spills with water. Prevent all spills from reaching water.

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Typical properties may vary slightly.

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