

International Standards

Petroleum Products Fuel (Class F) Specifications / requirements for marine residual fuels

[note: Red, bold print new specifications of ISO 8217:2005. In the grey fields canceled categories from 8217:1996].

	Test Method	Limit	RMA10/ RMA 30	RMB10/ RMB 30	RMC10/ RMD 80	RMD15	RME25/ RME 180	RMF25/ RMF 180	RMG35/ RMG 380	RMH35/ RMH 380	RMK35/ RMK 380	RMH45	RMK45	RMH55/ RMH 700	RMK55/ RMK 700
Density at 15°C. kg/m ³	ISO 3675 or ISO 12185	max.	975/960	981/975	981/980	985	991	991	991	991	1010	991	1010	991	1010
Kinematic viscosity at 100°C, mm ² /s	ISO 3104	max.	10	10	10	15	25	25	35	35	35	45	45	55	55
Kinematic viscosity at 50°C, mm ² /s		max.	50/30	50/30	50/80	180	225/180	225/180	390/380	390/380	390/380	585	585	810/700	810/700
Flash Point, C°	ISO 2719	min.	60	60	60	60	60	60	60	60	60	60	60	60	60
Pour Point (upper), °C Winter quality Summer quality	ISO 3016	max.	0	24	24/30	30	30	30	30	30	30	30	30	30	30
		max.	6	24	24/30	30	30	30	30	30	30	30	30	30	30
Carbon residue, % (m/m)	ISO 10370	max.	10	10	14	14	15	20	18	22	22	22	22	22	22
Ash, % (m/m)	ISO 6245	max.	0.1	0.1	0.1	0.1	0.1	0.15	0.15	0.2/0.15	0.2/0.15	0.2	0.2	0.2/0.15	0.2/0.15
Water, % (m/m)	ISO 3733	max.	0.5	0.5	0.5	0.8	1/0.5	1/0.5	1/0.5	1/0.5	1/0.5	1/0.5	1/0.5	1/0.5	1/0.5
Sulphur, % (m/m)	ISO 8754	max.	3.5	3.5	3.5/4.0	4.0	5/4.5	5/4.5	5/4.5	5/4.5	5/4.5	5/4.5	5/4.5	5/4.5	5/4.5
Vanadium, % (m/m)	ISO 14579	max.	150	150	300/350	380	200	500	300	600	600	600	600	600	600
Aluminium plus silicon, mg/kg	ISO 10478	max.	80	80	80	80	80	80	80	80	80	80	80	80	80
Total sediment, potential, % (m/m)	ISO 10370-2	max.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

