

EN590 Gasoil/ Automotive fuels - Diesel

Property	Unit	lower limit	upper limit	Test-Method
Cetane index		46.0	-	EN ISO 4264
Cetane number		51.0	-	EN ISO 5165
Density at 15° C	kg/m ³	820	845	EN ISO 3675, EN ISO 12185
Polycyclic aromatic hydrocarbons	%(m/m)	-	8	EN ISO 12916
Sulphur content	mg/kg	-	10.0	EN ISO 20846, EN ISO 20884
Flash point	° C	Above 55	-	EN ISO 2719
Carbon residue (on 10% distillation residue)	%m/m	-	0.30	EN ISO 10370
Ash content	% (m/m)	-	0.01	EN ISO 6245
Water content	mg/kg	-	200	EN ISO 12937
Total contamination	mg/kg	-	24	EN ISO 12662
Copper strip corrosion (3 hours at 50° C)	rating	Class 1	Class 1	EN ISO 2160
Oxidation Stability	g/m ³	-	25	EN ISO 12205
Lubricity, corrected wear scar diameter (wsd 1.4) at 60° C	μm	-	460	EN ISO 12156-1
Viscosity at 40° C	mm ² /s	2.00	4.50	EN ISO 3104
Distillation recovered at 250° C, 350° C	%V/V	85	<65	EN ISO 3405

Cetane number	49	49	49	49	49	49	
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arctic climatic zones

Characteristics	Class 0	Class 1	Class 2	Class 3	Class 4	Unit
CFPP	-20	-26	-32	-38	-44	° C
Cloud point	-10	-16	-22	-28	-34	° C
Density at 15 ° C	800 - 845	800 - 845	800 - 845	800 - 840	800 - 840	kg/m³
Viscosity at 40 ° C	1.5 - 4.0	1.5 - 4.0	1.5 - 4.0	1.4 - 4.0	1.2 - 4.0	mm²/s
Cetane index	46	46	45	43	43	
Cetane number	47	47	46	45	45	