

EN 228 AUTOMOTIVE FUELS - UNLEADED GASOLINE 95 10PPM

Properties	Units	Min.	Max.	Test methods
Density at 15°C	kg/m ³	720	775	EN ISO 3675
Research octane number, RON	–	95	–	EN 25164
Motor octane number, MON	–	85	–	EN 25163
Vapour pressure, VP summer winter	kPa kPa	45 60	60 90	EN 13016-1
Distillation (1013 mbar) evaporated at 70°C, E70 (summer) evaporated at 70°C, E70 (winter) evaporated at 100°C evaporated at 150°C	% vol. % vol. % vol. % vol.	20 22 46 75	48 50 71 –	ISO 3405
Distillation residue	% vol.	–	2	ISO 3405
Final boiling point, FBP	°C	–	210	ISO 3405
Volatility, VLI (10 VP + 7 E70) summer winter	– –	– 1000	– 1250	Calculation
Copper strip corrosion (3h at 50°C)	rating	Class 1		EN ISO 2160
Oxidation stability	hrs	6	–	EN ISO 7536
Hydrocarbons Olefins Aromatics Benzene	% vol. % vol. % vol.	– – –	18 35 1	ASTM D 1319
Oxygen	% wt.	–	2,7	EN 1601, EN 13132
Oxygenates Methanol	% vol. % vol.	– –	3 5	EN 1601, EN 13132

Ethanol	% vol.	–	10	
Iso-propyl alcohol	% vol.	–	10	
Iso-butyl alcohol	% vol.	–	7	
Tert-butyl alcohol	% vol.	–	15	
Ethers (5 or more C atoms)	% vol.	–	10	
Other oxygenates				
Sulphur	mg/kg	–	10	EN ISO 20846
Lead	mg/l	–	5	EN 237
Gums	mg/100 ml	–	5	EN ISO 6246
Appearance	–	Clear and bright		Visual inspection