



energy experts

ESSO retail network  
Mobil lubricants

# Gasoline 98

PROPERTY	UNIT	METHOD	LIMITS	
			min.	max.
Appearance		Visual	bright & clear	
Benzene content	% vol.	D 3606/EN 238 EN 12177/EN 14517		1.00
Colour		Visual	undyed	
Copper Strip Corrosion, 50 °C, 3 h	rating	D 130/EN ISO 2160		1
Density, 15 °C	kg/m <sup>3</sup>	D 4052/EN ISO 12185 EN ISO 3675	720	775
Distillation		D 86/EN ISO 3405		
Final Boiling Point	°C			210
Evap. at 70 °C	% vol.			
May, 1 - September, 30		a)	20.0	48.0
October, 1 - April, 30 <sup>a)</sup>			22.0	50.0
Evap. at 100 °C	% vol.		46.0	71.0
Evap. at 150 °C	% vol.		75.0	
Recovery	% vol.		96.0	
Residue	% vol.			2
Doctor Test or Mercaptan Sulphur	% mass	D 4952/ IP 30 D 3227/UOP 163	negative	
Existing gum content (solvent washed)	mg/100 ml	D 381/EN ISO 6246		5
Hydrocarbon type content	% vol.	D 1319/EN 14517		
Aromatics				35.0
Olefins				18.0
Lead content	mg/l	D 3237/EN 237		5
Octane No., Motor Method <sup>b)</sup>		EN ISO 5163 <sup>b)</sup>	88.0	
Octane No., Research Method <sup>b)</sup>		EN ISO 5164 <sup>b)</sup>	98.0	
Odour			marketable	
Oxidation Stability	min	D 525/EN ISO 7536	360	
Oxygen content	% mass	EN 1601/EN 13132		2.7
Oxygenates content	% vol.	EN 1601/EN 13132		
Methanol				3.0
Ethanol				5.0
iso-Propyl alcohol				10.0
iso-Butyl alcohol				10.0
tert-Butyl alcohol				7.0
Ethers (5 or more C atoms)				15.0
Other oxygenates				10.0
Sulphur content	mg/kg	D 2622/EN ISO 20884 D 5453/EN ISO 20846		10.0
Vapour Lock Index (VLI) <sup>c)</sup>		c)		
April, October				1200
Vapour Pressure (DVPE at 37.8°C)	kPa	D 5191/EN 13016-1		
May, 1 - September, 30			45.0	60.0
October, 1 - April, 30 <sup>a)</sup>		a)	65.0	95.0

- With reference to EN 228 (European specification for unleaded gasoline), phosphorus containing compounds are not permitted.
- The use of Metallic additives including MMT is not allowed, the metal content is maximum 1 mg/kg.

#### Additives:

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