

**PRODUCT SPECIFICATION DIESEL  
FUEL**

Dok. No : TPR.ÜPM.PSP.0403  
Yayın Tarihi : 01.12.2004  
Rev. No : 15  
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Sayfa No : 1 / 2

**PRODUCT NAME** : DIESEL FUEL (\*)

**TÜPRAŞ CODE NO** : 403

Property	Test Unit	Guarantee	Limit	Test Method
Density at 15 °C	kg/m <sup>3</sup>	820,0-845,0		TS 1013 EN ISO 3675 TS EN ISO 12185
Polycyclic aromatic hydrocarbons	%(m/m)	8,0	Max	TS EN 12916
Flash Point	°C	Higher than 55		TS EN ISO 2719
Cold Filter Plugging Point (CFPP)	°C			TS EN 116 TS EN 16329
Winter Grade (a)		- 15	Max	
Summer Grade (b)		5	Max	
Distillation				TS 1232 EN ISO 3405 TS EN ISO 3924
Recovered at 250 °C	%(V/V)	Lower than 65		
Recovered at 350 °C	%(V/V)	85	Min	
95%(vol/vol) recovered at	°C	360	Max	
Sulphur content	mg/kg	10,0	Max	TS EN ISO 20846 TS EN ISO 20884 TS EN ISO 13032
Manganese content	Mg/L	2,0	Max	TS EN 16576
Carbon Residue (on 10 % residue)	%(m/m)	0,30	Max	TS EN ISO 10370

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Property	Test Unit	Guarantee	Limit	Test Method
Viscosity at 40 °C	mm <sup>2</sup> /s	2,000-4,500		TS 1451 EN ISO 3104
Copper Strip Corrosion (3h at 50 °C)	Degree	1		TS 2741 EN ISO 2160
Fatty acid methyl ester(FAME)content	%(V/V)	7,0	Max	TS EN 14078
Ash content	%(m/m)	0,010	Max	TS EN ISO 6245
Cetane number		51,0	Min	TS 10317 EN ISO 5165 TS EN 15195 TS EN 16144 TS EN 16715
Cetane Index		46,0	Min	TS EN ISO 4264
Water content	%(m/m)	0,020	Max	TS 6147 EN ISO 12937
Total contamination	mg/kg	24	Max	TS EN 12662
Oxidation Stability	g/m <sup>3</sup> h	25 20	Max Min	TS EN ISO 12205 TS EN 15751 (c)
Lubricity,(WSD) at 60 °C	µm	460	max	TS EN ISO 12156-1

- (a) 1 November-31 March (± 15 days)  
(b) 1 April-31 October (±15 days)  
(c) This feature is required for diesel fuel containing FAME much than 2%(V/V).

(\*) This product is sold at İzmit,İzmir, Kırıkkale and Batman Refineries.