



ATTOCK REFINERY LTD

TECHNICAL DATA SHEET

DIESEL FUEL OIL (DFO)

Product Description:

Diesel fuel oil falls under class C category fuel. It is a blend of distillate components and a small number of residual components. Diesel fuel oil is produced by fractional distillation of crude oil. Diesel fuel oil is the final cut of Crude Distillation Unit (CDU). Attock Refinery Limited produces Diesel fuel oil that conforms to the Pakistan Standards & Quality Control Authority and Ministry of Petroleum and Natural Resources specifications.

Application and Benefits:

Diesel Fuel distillate is added to residual fuel oil to get a desired viscosity of residual fuel oil. DFO are only used for industrial and marine applications. It is used in engines with an rpm less than 750, such as boilers and furnaces. This product should not be used in applications other than those recommended.

Health, Safety and Environment:

Health, safety and environmental information are provided for this product in the Safety Data Sheet. This gives details of the potential hazards, precautions and First Aid measures. Attock Refinery Ltd will not accept liability if the product is used other than in the manner, with the precautions, or for the purposes specified.

- **Typical information from MSDS**

Wear PPE to avoid contact with skin, eyes and respiratory tract. Wash face, hands and forearms thoroughly after handling. Keep clear from sources of ignition. Ensure electrical continuity of all relevant equipment by proper bonding as electrostatic charges can potentially be generated during pumping and tank-filling operations. Recycle all waste where possible.

Storage:

All packages should be stored under cover. Keep containers closed and clearly labeled. The storage area should comply with NFPA 30.



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Specifications & Typical Value:

TEST DESCRIPTION	UNIT	TEST METHOD	SPECIFICATIONS	MAX / MIN	ARL TYPICAL
Specific gravity 15.6°C	-	D1298	0.900	Max.	0.860
Color, ASTM	-	D1500	3.0	Min.	4.0
Flash point	°C	D93	54	Min.	65
Pour Point	°C	D97	9	Max.	-9
Viscosity, Kinematic at 50°C	cSt	D445	12	Max.	4.800
Sulphur	wt%	D4294	1.8	Max.	0.40
Sediments	wt%	D473	0.05	Max.	0.02
Ash contents	wt%	D482	0.02	Max.	0.01
Total Acid Number	mg	D664	0.5	-	0.3
Strong Acid Number	KOH/gm		Nil	-	Nil
Water	wt%	D95	0.25	Max.	0.20
Conradson carbon	wt%	D189	1.5	Max.	0.2
Cetane Index	-	D976	35	Min.	39

For more Information Please Contact **Attock Refinery Ltd.** Phone: 92-51-5487041 / Ext. 2596 / 2469