



ATTOCK REFINERY LTD

TECHNICAL DATA SHEET

LIQUEFIED PETROLEUM GAS (LPG)

Product Description:

Attock Refinery Ltd produces LPG is a clean, high-energy content fuel made up of light hydrocarbons, predominantly propane (C3) and butane (C4). It is different from Liquefied Natural Gas (LNG), which is mostly methane (C1). LPG is a supply-driven by-product, with about 60% derived from crude oil production (Associated Gas) and natural gas production (Non-Associated Gas), and 40% from the refining of crude oil (40%). Storage and transportation of large volumes of LPG is in a fully refrigerated state, whilst smaller volumes are generally transported in pressurized vessels. LPG at atmospheric pressure and temperature is a gas which is 1.5 to 2.0 times heavier than air.

Application and Benefits:

Liquid Petroleum Gas (LPG) is a mixture of liquid hydrocarbons stored in pressurized cylinders and is used as a fuel in heating, cooking appliances, powered industrial trucks (e.g. forklifts,) automobiles. A feedstock for the petrochemical industry and as a refrigerant

Health, Safety and Environment:

Health, safety and environmental information are provided for this product in the ARL Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used products.

ARL will not accept liability if the product is used other than in the manner, with the precautions, or for the purpose/s specified.

Methyl Mercaptan is added as an odorant, giving the gas distinctive warning properties in the event of a leak.

Storage:

LPG cylinders shall not be stored near sources of heat such as stoves, open flames, or heaters. Keep away from flame, sparks, excessive temperatures and open flame. LPG cylinders shall always be stored in the upright position. Use approved cylinder for storage and transportation. Keep containers closed and clearly labeled. This storage area should comply with NFPA 58.

Specifications & Typical Value:

TEST DESCRIPTION	UNIT	TEST METHOD	SPECIFICATIONS	MAX / MIN	ARL TYPICAL
Specific gravity 15.6°C. 15.6°C	-	ASTM D1657	To be reported	-	0.540
Vapour Pressure at 37.8°C,	psi	ASTM D1267	208	Max.	110
Temperature at 95% evaporation,	°C	ASTM D130	2.2	Max.	1.1

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