Typical properties of commercial liquid petroleum gas (LPG)

	Commercial Butane	**Commercial Propane**
Relative density of liquid at 15°C	**0,57 to 0,58**	**0,50 to 0,51**
Imperial gallons/ton at 15°C	**385 to 393**	**439 to 448**
Litre/tonne at 15°C	**1 723 to 1 760**	**1 965 to 2 019**
Relative density of gas compared with air at 15°C and 1 013,25 mbar	**1,90 to 2,10**	**1,40 to 1,55**
Volume of gas (litres) per kg of liquid at 15°C and 1 013,25 mbar	**406 to 431**	**537 to 543**
Volume of gas (ft^3) per lb of liquid at 60° F and 30in Hg	**6,5 to 6,9**	**8,5 to 8,7**
Boiling point at atmospheric pressure °C approx.	**-2**	**-45**
Vapour pressure for products at their maximum specified vapour pressure (gauge): **Temp. °C** **-40** **-18** **0** **15** **38** **45**	 **Bar** **-** ***** **0,9** **1,93** **4,83** **5,86**	 **Bar** **0,5** **2,3** **4,5** **6,9** **14,5** **17,6**
Latent heat of vaporisation (kJ/kg) at 15°C	**372,2**	**358,2**
Latent heat of vaporisation (Btu/lb) at 60°F	**160**	**154**
Specific heat of liquid at 15°C (kJ/kg °C)	**2,386**	**2,512**

Sulphur content per cent weight	**Negligible to 0,02**	**Negligible to 0,02**
Limits of flammability (percentage by volume of gas in a gas-air mixture to form a combustible mixture)	**Upper 9,0**	**Upper 10,0**
	Lower 1,8	**Lower 2,2**
Calorific Values:		
Gross:		
(MJ/m^3) dry	**121,8**	**93,1**
(Btu/ft^3) dry	**3 270**	**2 500**
(MJ/kg)	**49,3**	**50,0**
(Btu/lb)	**21 200**	**21 500**
Nett:		
(MJ/m^3) dry	**112,9**	**86,1**
(Btu/ft^3) dry	**3 030**	**2 310**
(MJ/kg)	**45,8**	**46,3**
(Btu/lb)	**19 700**	**19 900**
Air required for combustion (m^3 to burn 1 m^3 of gas)	**30**	**24**

* Minimum Commercial Butane vapour pressure at 18° is minus 5224 mbar g.