

35 – 45 % Recovered	Deg C 350
95% Recovered	Deg C 395
End Boiling Point	Deg C 400

SPECIFICATIONS OF LIQUEFIED PETROLEUM GAS GOST 20448-90

Relative density of liquid at 15 <i>f</i> C	0, 57 to 0,58
Imperial gallons/ton at 15 <i>f</i> C	385 to 393
Litre/tonne at 15 <i>f</i> C	1 723 to 1 760
Relative density of gas compared with air at 15 <i>f</i> C and 1 013,25 mbar	1,90 to 2,10
Volume of gas (litres) per kg of liquid at 15 <i>f</i> C and 1 013,25 mbar	406 to 431
Volume of gas (ft ³) per lb of liquid at 60 <i>f</i> F and 30 in Hg	6,5 to 6,9
Boiling point at atmospheric pressure <i>f</i> C approx.	-2
Vapour pressure for products at their maximum specified vapour pressure (gauge):	
Temp. <i>f</i> c	Bar
-40	-
-18	*
0	0.9
15	1,93
38	4,83
45	5,86
Latent heat of vaporisation (kJ/kg) at 15 <i>f</i> C	372,2
Latent heat of vaporisation (Btu/lb) at 60 <i>f</i> F	160
Specific heat of liquid at 15 <i>f</i> C (kJ/kg <i>f</i> C)	2,386
Sulphur content per cent weight	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 / Lower 1,8

Calorific Values:

Gross:

(MJ/m ³) dry	121,8
(Btu/ft ³) dry	3 270
(MJ/kg)	49,3
(Btu/lb)	21 200

Nett:

(MJ/m ³) dry	112,9
(Btu/ft ³) dry	3 030
(MJ/kg)	45,8
(Btu/lb)	19 700

Air required for combustion (m ³ to burn 1 m ³ of gas)	30
--	----

SPECIFICATION OF D2 GAS OIL 0.2/62, GOST 305-82.

COMPONENT	UNIT	MIN.	MAX.
Density@ 20 deg C	Kg/m ³		0,840
Colour			1.10
Flash point, PMCC	deg C (°C)	55	65.0
Kinematics' viscosity @20 deg C	C ST	3,0	6,0
Pour point	deg C (°C)	(*)	-10,0

Cloud point	deg C (°C)	(*)	-5,0
Mercaptan sulphur			0,004
Acidity, mg / 1000 cm ³			5
Iodine number	g/100g		6
Ash	%wt		0,01
Total Sulphur	%wt	0,005	0,02
Copper corrosion	3 hrs@50 deg C	(typical)	1 A
CCR on 10% Residues	%wt		0.20
Cetane index		45	
Distillation range :			
- 50% Recovered Volume	deg C (°C)		280
- 90% Recovered Volume	deg C (°C)		365.7
- Bacteria MBC	Fibre / it		500
- Bacteria CFU	Fibre / it		1000

SPECIFICATION OF D2 LOW SULFUR

Parameter	Test Method	Min	Max
Ash, wt %	D482		0.01
Carbon Residue: Ramsbottom on 10% btms	D524		0.35
Cetane Index	D976, D4737	40	
Cetane Number	D613	40	
Cloud Point, deg F	D2500, D5771, D5772, D5773		

-September 1 through March 31			15
-April 1 through August 31			20
Color, ASTM	D1500, D6045		2.5
Color, Visual		Undyed	
Copper Corrosion, 3 hrs @ 122 deg F	D130		1
Distillation: 90 % recovered, deg F	D86	540	640
Flash point, deg F	D93	125	
Haze Rating @ 77 deg F	D4176		2
Pour Point, deg F	D97, D5949, D5950, D5985		
-September 1 through March 31			0
-April 1 through August 31			10
Thermal stability, 90 minutes	D6468	70	
@ 302 deg F Reflection Pad Rating, %			
Total Sulfur, ppm (by weight)	D2622, D4294, D5453, D7039		15.0
Viscosity, cSt @ 104 F	D445	1.9	3.4
Water & Sediment, vol %	D1796, D2709		0.05