Gas Weight Chart

Sr. No.	GAS	Formula	Molecular Weight	Density	
				(kg/m^3)	(lb/ft^3)
	Acetylene (ethyne)	C2H2	26	1.092[1)] 1.170[2)]	0.0682[1)] 0.0729[2)]
	Argon	AR	39.948	1.661[1)] 1.7837[2)]	0.1037[1)] 0.111353[2)]
	Butane	C_4H_{10}	58.1	2.489[1)] 2.5[2)]	0.1554[1)] 0.156[2)]
	Carbon dioxide	CO_2	44.01	1.842[1)] 1.977[2)]	0.1150[1)] 0.1234[2)]
	Carbon monoxide	CO	28.01	1.165[1)] 1.250[2)]	0.0727[1)] 0.0780[2)]
	Helium	He	4.02	0.1664[1)] 0.1785[2)]	0.01039[1)] 0.011143[2)]
	Hydrogen	H_2	2.016	0.0899[2)]	0.0056[2)]
	Methane	CH_4	16.043	0.668[1)] 0.717[2)]	0.0417[1)] 0.0447[2)]
	Nitric oxide	NO	30.0	1.249[1)]	0.0780[1)]
	Nitrogen	N_2	28.02	1.165[1)] 1.2506[2)]	0.0727[1)] 0.078072[2)]
	Oxygen	O_2	32	1.331[1)] 1.4290[2)]	0.0831[1)] 0.089210[2)]
	Ozone	O_3	48.0	2.14[2)]	0.125
	Propane	C_3H_8	44.09	1.882[1)]	0.1175[1)]
	Xenon	Xe	131.293	5.86[2)]	

Axcel Gases

Gas Weight Chart

[1] **NTP - Normal Temperature and Pressure** - is defined as *20°C (293.15 K, 68°F)* and *1 atm (101.325 kN/m^2, 101.325 kPa, 14.7 psia, 0 psig, 30 in Hg, 760 torr)*

[2] **STP - Standard Temperature and Pressure** - is defined as *0°C (273.15 K, 32°F)* and *1 atm (101.325 kN/m^2, 101.325 kPa, 14.7 psia, 0 psig, 30 in Hg, 760 torr)*

- *1 lb_m/ft^3 = 16.018 kg/m^3*
- *1 kg/m^3 = 0.0624 lb_m/ft*

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