



E4803 395th Avenue
Menomonie, WI 54751
Phone: 715-233-6115
Fax: 715-232-0669

www.intellishare-env.com
[E-mail Intellishare](mailto:info@intellishare.com)
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Physical Properties of Commercial Fuel Gases - Constituents - % by Volume

No	Gas	CH ₄	C ₂ H ₆	C ₃ H ₈	C ₄ H ₁₀	CO	H ₂	CO ₂	O ₂	N ₂	Specific Gravity	Density, LB per Cu Ft	Specific Volume Cu Ft/Lb
1	Acetylene				100% C ₂ H ₂						.91	.07	14.4
2	Blast Furnace Gas					27.5	1	11.5		60	1.02	1.02	12.8
3	Butane (natural gas)			7	93						1.96	1.49	6.71
4	Butylene (Butene)				100% C ₄ H ₈						1.94	1.48	6.74
5	Carbon Monoxide					100					0.97	.074	13.5
6	Carburetted Water Gas	10.2	6.1% C ₂ H ₄ , 2.8% C ₆ H ₆			34	40.5	3	0.5	2.9	0.63	.048	20.8
7	Coke Oven Gas	32.1	3.5% C ₂ H ₄ , 0.5% C ₆ H ₆			6.3	46.5	2.2	0.8	8.1	0.44	.034	29.7
8	Digester (Sewage) Gas	67			8% H ₂ O			25			0.80	.062	16.3
9	Ethane		100								1.05	.090	12.5
10	Hydrogen						100				0.07	.0054	186.9
11	Methane	100									0.55	.042	23.8
12	Natural (Birmingham, AL)	90	5							5	0.60	.046	21.8
13	Natural (Pittsburgh, PA)	83.4	15.8							0.8	0.61	.047	21.4
14	Natural (Los Angeles, CA)	77.5	16.0					6.5			0.70	.054	18.7
15	Natural (Kansas City, MO)	84.1	6.7					0.8		8.4	0.63	.048	20.8
16	Natural (Groningen, Netherlands)	81.3	2.9					0.9		14.4	0.64	.048	20.7
17	Natural (Midlands Grid, U.K.)	91.8	3.5	0.8	0.3			0.4		2.8	0.61	.046	21.8
18	Producer (Wellman-Galusha)	2.3				25	14.5	4.7		52.7	0.84	.065	15.4
19	Propane (natural gas)				100% C ₃ H ₈						1.52	.116	8.61
20	Propylene (Propene)										1.45	.111	9.02
21	Sasol (South Africa)	26				22	48		0.5	1	0.42	.032	31.3
22	Water Gas (bituminous)	4.6	0.4% C ₂ H ₄ , 0.3% C ₆ H ₆			28.2	32.5	5.5	0.9	27.6	0.71	.054	18.7