

Some Technical properties of Hexane

Formula	C ₆ H ₁₄
Molecular Weight	86.172
Liquid Specific Gravity at 60 ⁰ F	0.664
Vapor Specific Gravity at 60 ⁰ F and 1 atm	2.97
Normal boiling point (⁰ F)	155.73
Freezing point (⁰ F)	- 139.63
Critical temperature (⁰ F)	454.5
Condensation temp at 1 atm (⁰ F)	156
Vapor pressure at 100 ⁰ F	4.956 psi _a
Critical pressure	440 psi _a
Latent heat of vaporization at normal boiling point Btu/lb	143.95
Specific heat ratio at 60 ⁰ F and 1 atm (K)= C _p /C _v	1.06
Cu.ft. of vapor per barrel of liquid	1.024
L x SQRT(M)	1337
Flammability limits (% by volume)	1.3 to 6.9

Graphs for C_d (Coefficient of discharge), C_c (Coefficient of contraction) , C_D (Coefficient of drag) , C_L (coefficient of lift) are available at "Mechanics of Fluids" by Shames at pp. 162, 361 & 363 respectively.