

Alkane Properties.

Name	Formula	B.p., °C	Density, g/mL
Methane	CH ₄	-162	gas
Ethane	CH ₃ CH ₃	-90	gas
Propane	CH ₃ CH ₂ CH ₃	-42	gas
n-Butane	CH ₃ (CH ₂) ₂ CH ₃	0	gas
n-Pentane	CH ₃ (CH ₂) ₃ CH ₃	36	0.626
n-Hexane	CH ₃ (CH ₂) ₄ CH ₃	69	0.659
n-Heptane	CH ₃ (CH ₂) ₅ CH ₃	98	0.684
n-Octane	CH ₃ (CH ₂) ₆ CH ₃	126	0.703
Isomers: C ₄ H ₁₀			
n-Butane	CH ₃ (CH ₂) ₂ CH ₃	0	gas
2-Methyl propane	(CH ₃) ₂ CHCH ₃	-12	gas
Isomers: C ₅ H ₁₂			
n-Pentane	CH ₃ (CH ₂) ₃ CH ₃	36	0.626
2-Methyl butane	(CH ₃) ₂ CHCH ₂ CH ₃	28	0.620
2,2-Dimethyl propane	(CH ₃) ₄ C	10	0.615
Isomers: C ₆ H ₁₄			
n-Hexane	CH ₃ (CH ₂) ₄ CH ₃	69	0.659
2-Methyl pentane	(CH ₃) ₂ CH(CH ₂) ₂ CH ₃	60	0.654
3-Methyl pentane	CH ₃ CH ₂ CH(CH ₃)CH ₂ CH ₃	63	0.676
2,2-Dimethyl butane	(CH ₃) ₃ CCH ₂ CH ₃	50	0.649
2,3-Dimethyl butane	(CH ₃) ₂ CHCH(CH ₃) ₂	58	0.668