

Average Properties of Propane

Formula	C_3H_8
Boiling Point, °F (°C)	-44 (-42)
Specific Gravity of Gas (Air = 1.00)	1.53
Pounds per Gallon of Liquid at 60°F (16°C)	4.24
BTU per Gallon of Gas at 60°F (16°C)	91,547
BTU per Pound of Gas	21,591
BTU per Cubic Foot of Gas at 60°F (16°C)	2516
Cubic Feet of Vapor at 60°F (16°C) per Gallon of Liquid at 60°F (16°C)	36.39
Cubic Feet of Vapor at 60°F (16°C) per Pound of Liquid at 60°F (16°C)	8.547
Latent Heat of Vaporization at Boiling Point, BTU per Gallon	785.0
Combustion Data	
Cubic Feet of Air Required to Burn 1 Cubic Foot of Gas	23.86
Flash Point, °F (°C)	-156 (-104)
Ignition Temperature in Air, °F (°C)	920 to 1020 (493 to 549)
Maximum Flame Temperature in Air, °F (°C)	3595 (1979)
Limits of Inflammability, Percentage of Gas in Air Mixture	
at Lower Limit	2.4%
at Upper Limit	9.6%
Octane Number (ISO Octane = 100)	Over 100