



Gas Properties - Methane

Gas Name	Chemical Formula	Chemical Family
Methane	CH ₄	Alkane
Synonym(s)	Marsh Gas, Natural Gas, Methyl Hydride	

Molecular Weight	Critical Pressure (psia)	Critical Temperature (R)	Ratio of Specific Heats
16.040	673	343.7	1.310
Physical Characteristics		Solubility	
Colorless, Odorless, Tasteless		Slightly soluble in water. Soluble in alcohol and most petroleum products.	
Applications or Uses			
Fuel or Chemical use			
Hazards			
Flammable. Explosive. Asphyxiant. Lighter than air so collects in overhead pockets. Handle in well-ventilated areas.			
Material Requirements			
Standard materials of construction			
Lubrication			
Standard guidelines for lube or non-lube service.			
Comments			
No special considerations for compression.			