

Propene



also: Propylene

PURE GASES

Marking

CAS-Number 115-07-1

Characterization acc. ADR UN 1077, Propene, 2.1
Class 2, 2F

Cylinder Marking



shoulder:
red

Essential properties

Colourless, flammable gas, liquified, heavier than air

Symbols of Risks



flammable



gas, liquified

Physical Properties

molecular weight: 42,080 kg/kmol
gas density at 0°C and 1,013 bar: 1,9138 kg/m³
density ratio to air: 1,4802
vapour pressure at 20°C: 10,199 bar

For additional safety information see Material-/safety data sheet No. *-C3H6-105

Valves / Manifolds

Valve connection acc. to national standards

Recommended Manifolds Spectrolab control valve PN 40



Specifications / Cylinders

		2.5	
Composition			
C ₃ H ₆	>	99,5	Vol.-%
Impurities			
C ₃ H ₈	<	4000	ppmv
other HC	<	1000	ppmv
Cylinders / Contents			
F 27		11,0	kg
F 79		33,0	kg

Remarks

Applications:
Feedstock for polypropylene
Precursor for acetone, isopropanol, acrylonitrile and other organic compounds