

PROPYLENE (C₃H₆)

A colorless, flammable, liquefied gas with a detectable odor.

Purity Specifications	Grade 2.0 99%	Grade 2.5 99.5%	Grade 3.0 99.9%	Grade 3.5 99.95%	Grade 3.7 99.97%
Nitrogen	< 100 ppm	< 50 ppm	< 20 ppm	< 10 ppm	< 10 ppm
Oxygen	< 5 ppm	< 5 ppm	< 2 ppm	< 2 ppm	< 2 ppm
Carbon Dioxide	< 10 ppm	< 5 ppm	< 4 ppm	< 2 ppm	< 1 ppm
Other Hydrocarbons	< 9000 ppm	< 4800 ppm	< 950 ppm	< 470 ppm	< 290 ppm
Moisture	< 10 ppm	< 5 ppm	< 4 ppm	< 3 ppm	< 3 ppm
Total Impurities	< 1 %	< 5000 ppm	< 1000 ppm	< 500 ppm	< 300 ppm

Purity Specifications	Grade 4.0 99.99%	Grade 4.5 99.9995%
Nitrogen	< 5 ppm	< 5 ppm
Oxygen	< 1 ppm	< 1 ppm
Carbon Dioxide	< 1 ppm	< 1 ppm
Other Hydrocarbons	< 90 ppm	< 45 ppm
Moisture	< 2 ppm	< 2 ppm
Total Impurities	< 100 ppm	< 50 ppm

Moisture level guaranteed only when AGT prepares the cylinders
 All concentrations are on a mol/mol basis unless otherwise stated.
 This product is analyzed liquid phase.

Cylinder Size	Fill Weight (lbs)
1/2 ton	430.0
LP30	105.0
LP15	50.0
LP05	20.0
LP01	5.0
49	45.0
44	40.0
16	15.0
7	6.0

Technical Data:

Mol. Wt: 42.08
 Sp. Volume: 9.4 cf/lb
 Pressure @ 70°F: 136.6 psig
 Flammability Limits: 2.0 - 11.0% in Air
 Valve Outlet: CGA 350/510
 LB CGA 170 or CGA 350/510

Shipping Information:

DOT Name: Propylene
 Hazard Class: 2.1
 DOT No.: UN 1077
 DOT Label: Flammable Gas
 CAS No.: 115-07-1

**ADVANCED GAS
 TECHNOLOGIES**