



## Propylene (C<sub>3</sub>H<sub>6</sub>)

### Specifications

	GRADE 2	GRADE 3	GRADE 3.5	GRADE 3.7	GRADE 4	GRADE 4.5
Purity	99.0%	99.9%	99.95%	99.97%	99.99%	99.995%
Nitrogen	< 100 ppmv	< 20 ppmv	< 10 ppmv	< 10 ppmv	< 5 ppmv	< 5 ppmv
Oxygen	< 5 ppmv	< 2 ppmv	< 2 ppmv	< 2 ppmv	< 1 ppmv	< 1 ppmv
Carbon Dioxide	< 10 ppmv	< 4 ppmv	< 2 ppmv	< 1 ppmv	< 1 ppmv	< 1 ppmv
Other Hydrocarbons	< 9,000 ppmv	< 950 ppmv	< 470 ppmv	< 290 ppmv	< 90 ppmv	< 45 ppmv
Moisture	< 10 ppmv	< 4 ppmv	< 3 ppmv	< 3 ppmv	< 2 ppmv	< 2 ppmv
Total Impurities	< 1%	< 1,000 ppmv	< 500 ppmv	< 300 ppmv	< 100 ppmv	< 50 ppmv

*Note: Moisture level guaranteed only when EFC Gases & Advanced Materials prepares the cylinders. All concentrations are on a mol/mol basis unless otherwise stated.*

### Cylinder Sizes

SIZE	FILL WEIGHT (LB)
1/2 Ton	430
LP30	105
LP15	50
LP05	20
LP01	5
49L/Size 300	45
44L/Size 200	40
16L/Size 80	15
7L/Size 35	6

### Technical Data

Molecular Weight: 42.08 g/mol  
 Specific Volume: 9.4 cu.ft/lb  
 Pressure @ 70°F: 136.6 psig  
 Flammability Limits: 2.0-11.0% in Air  
 Valve Outlet: CGA 350/510 LB CGA 170

### Shipping Information

DOT Name: Proylene  
 Hazard Class: 2.1  
 DOT Number: UN 1077  
 DOT Label: Flammable Gas  
 CAS Number: 115-07-1