

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

A flammable, colorless liquefied gas with a detectable odor.

Grade	% Purity	N <sub>2</sub>	Other Hydrocarbons	O <sub>2</sub>	H <sub>2</sub> O	CO <sub>2</sub>
Semiconductor* (#)	99.99	5	90 <sup>(1)</sup>	1	2	1
Electronic*	99.95	20	450 <sup>(1)</sup>	3	3	3
Polymer*	99.5	50	4500 <sup>(1)</sup>	5	5	5
Chemically Pure (CP)* (2)	99.0					

Concentrations given are ppm by volume unless otherwise specified.

### Notes

<sup>(1)</sup> Other HC's are defined as Ethane, Propane, N-Butane, Isobutane.

<sup>(#)</sup> Semiconductor grade valve material is brass for standard CGA connection. Cylinders can be provided with SS or DISS valves and additional proper regulator options upon request.

<sup>(2)</sup> Total impurities not to exceed 1%.

\* Non-odorized product less than 1ppm sulfurs

PRODUCT	Ordering Information					Equipment Recommendations		
	Cylinder Size	Contents lbs	Standard Valve Outlet (CGA)	Product Number	Cylinder Pressure at 70°F (psig)	Description Product Number	Delivery Pressure Range (psig)	Page Number
<b>Semiconductor</b>	350	99	510	PP SM350	138	<b>Single-Stage Regulator</b> Y11-LC241 * 510	<b>A = 0-25</b> <b>B = 0-50</b>	<b>E16</b>
	Individual or Batch Certificate of Analysis available upon request.							
<b>Electronic</b>	1/2 Ton	418	510	PP ELHTN	138			
	350	99	510	PP EL350	138			
Certificate of Analysis included.								
<b>Polymer</b>	1/2 Ton	418	510	PP PLHTN	138			
	350	99	510	PP PL350	138			
Individual or Batch Certificate of Analysis available upon request.								
<b>Chemically Pure (CP)</b>	1/2 Ton	418	510	PP CPHTN	138			
	350	99	510	PP CP350	138			
Individual or Batch Certificate of Analysis available upon request.								

\* Insert Delivery Pressure Range Code

### Technical Data & Shipping Information

Molecular Weight	42.0797
Specific Volume	9.19 cf/lb @70° F & 1 ATM
Flammability Limits in Air	2.4 - 11% in Air
U.S. DOT Name	Propylene
ID Number	UN 1077
U.S. DOT Hazard Class	2.1
U.S. DOT Label	Flammable Gas
CAS Registry	115-07-1