

# Propylene



Grade	ULSI 4N	Semicon 3N7
Purity, %	99.99	99.97
Oxygen	≤1 ppmv	≤2 ppmv
Nitrogen	≤5 ppmv	≤10 ppmv
Carbon Dioxide	≤1 ppmv	≤1 ppmv
Water	≤2 ppmv	≤3 ppmv
Other Hydrocarbons	≤90 ppmv	≤260 ppmv

- A lot analysis is provided for each order. – Individual analysis is also available upon request.
- Pneumatic valves and JIS connections are available upon request.

CYLINDER	Internal Volume	Liters	43.8
	<b>Cylinder Sizes &gt;&gt;</b>		<b>QF/QA</b>
	Content	lbs	35
		kg	15.9
	Change Point*	lbs	2.2

\*Recommended Cylinder Change Point at NTP, based on Phase Break, or the amount of product left in the cylinder when the liquid phase has completely evaporated and only gaseous product is left (estimate based on ideal gas behavior).

SHIP	DOT Shipping Name	Propylene	UN Number	UN 1077	Shipped as Liquefied Gas
	DOT Classification	2.1 (Flammable Gas)	ECCN #	NPR-EAR99	
	DOT Label	FLAMMABLE GAS	Harmonized #	2901-22-0000	

TECHNICAL DATA	Cylinder Pressure	136.6 psig
	@NTP	10.6 atm
	Specific Volume	0.587 m <sup>3</sup> /kg
	@NTP	9.4 ft <sup>3</sup> /lb
	CAS No	115-07-1
	CGA/DISS/JIS	510*/724/22-14L
Molecular Weight	42.08 g/mol	

\*Brass Valve

Critical Temperature	91.8°C	197.2°F
Critical Pressure	45.6 atm	648.6 psia

NTP = 21°C or 70°F and 101.3 kPa or 1 atm

Cylinder	Treatment	Nominal Diameter (OD)xHeight*		Material of Construction	
		cm	Inches	Cylinder	Valve
QF	ULTRA-LINE®	23x130/134/143	9x51/52.5/56	CS	SS
QA	ULTRA-LINE®	23x130/134/143	9x51/52.5/56	CS	Brass

\*Height is reported as the distance from the bottom of the cylinder to the cylinder neck/ center of the valve outlet/ top of the handwheel  
CS: Carbon Steel SS: Stainless Steel