



# ETHYLENE C<sub>2</sub>H<sub>4</sub>

*Colorless, flammable gas with a faint sweet and musty odor.*

SHIPPING INFORMATION		TECHNICAL INFORMATION	
D.O.T. Proper Shipping Name:	Ethylene	Molecular Weight:	28.064
I.D. Number:	UN1962	Specific Volume:	13.7 ft <sup>3</sup> /lb.
Hazard Class:	2.1	CAS Registry	74-85-1
Shipping Labels:	Flammable gas	Safety Data Sheet Reference:	Ethylene

PRODUCT GRADE SPECIFICATIONS					
Grade Name	Grade	Minimum Purity	Grade Code	Catalog Number <sup>1</sup>	Maximum Impurity Specifications in PPM by Volume <sup>2</sup> (unless otherwise specified)
					MAXIMUM TOTAL IMPURITIES <sup>3</sup>
Electronic Process	5.5	99.9995%	EP	SG EYEP-	< 5
Research	5.0	99.999%	RES	SG EYRES-	< 10
Ultra Plus	4.0	99.99%	UP	SG EYUP-	< 100
Polymer	3.0	99.9%	P	SG EYP-	< 0.1%
Chemically Pure	2.5	99.5%	CP	SG EYCP-	< 0.5%

**Notes:**  
<sup>1</sup> Complete the catalog number by selecting cylinder size code using chart below. Except for Disposables, "SG" will be replaced with "DSP".  
<sup>2</sup> Liquid phase analysis. Specifications are typical results and are subject to change without notice.  
<sup>3</sup> Product sold on the basis of total impurities. Individual impurities may vary slightly.

CYLINDER INFORMATION					
Cylinder Size	Cylinder Size Code <sup>3</sup>	Volume lbs. <sup>4</sup>	Pressure (PSIG) @ 70° F.	Valve Connection CGA	Gross Weight (lbs.)
<b>High Pressure Carbon Steel Cylinders</b>					
300	T	37	1200	350	181
200	K	30	1200	350	165
80	Q	11	1200	350	76
35	G	4	1200	350	33
<b>Non-Refillable / Disposable Lecture Bottle</b>					
Lecture Bottle	LB*	227 Grams	1200	170 or 350	5

**Notes:**  
<sup>3</sup> Add a "S" for siphon tube at end of cylinder size code. Ethylene is shipped as a compressed gas under high pressure, but may also be offered as a liquid depending on cylinder pressure and ambient temperature. Ethylene may also be shipped as a cryogenic liquid at -154.8 F. Please contact your WestAir representative for more information.  
<sup>4</sup> This product is sold by the cylinder. Fill volumes are approximate and may vary slightly depending on the cylinder manufacturer's specifications.

*Contact your WestAir representative about equipment recommendations for this product.*