



ETHYLENE C_2H_4

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

SHIPPING INFORMATION

D.O.T. Proper Shipping Name: Ethylene
I.D. Number: UN1962
Hazard Class: 2.1
Shipping Labels: Flammable gas

TECHNICAL INFORMATION

Molecular Weight: 28.064
Specific Volume: 13.7 ft³/lb.
CAS Registry: 74-85-1
Safety Data Sheet Reference: Ethylene

PRODUCT GRADE SPECIFICATIONS

Grade Name	Grade	Minimum Purity	Grade Code	Catalog Number ¹	Maximum Impurity Specifications in PPM by Volume ² (unless otherwise specified)
					MAXIMUM TOTAL IMPURITIES ³
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:

¹ Complete the catalog number by selecting cylinder size code using chart below. Except for Disposables, "SG" will be replaced with "DSP".

² Liquid phase analysis. Specifications are typical results and are subject to change without notice.

³ Product sold on the basis of total impurities. Individual impurities may vary slightly.

CYLINDER INFORMATION

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

Notes:

³ 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.

⁴ 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.