

Ethylene



High purity ethylene is produced from lower purity material by a combination of purification techniques including molecular sieve and cryogenic fractional distillation.

Standard Specifications

PURITY / ASSAY	2.5	3.5	4.5	5.0	5.5
IMPURITIES (MOL %)	99.5%	99.95%	99.995%	99.999%	99.9995%
Nitrogen	< 100	< 50	< 5	< 2	< 1
Oxygen	< 25	< 10	< 2	< 2	< 1
Carbon Dioxide	< 15	< 10	< 5	< 2	< 1
Carbon Monoxide	< 5	< 3	< 2	< 2	< 1
Other Hydrocarbons	< 4000	< 400	< 40	< 8	< 4
Acetylene	< 10	< 6	< 4	< 2	< 1
Moisture**	< 5	< 5	< 5	< 3	< 1
Total Impurities	< 5,000	< 500	< 50	< 10	< 5

**Moisture Specification only guaranteed if cylinders prepared by AGT International

Standard Cylinder Sizes and Fill Volumes

CYLINDER INFORMATION

CYLINDER SIZE	FILL VOLUME (KG)
50	16.9
49	16.8
44	13.6

Technical Information

TECHNICAL DATA

Molecular Weight (g/mol)	28.054
Liquid Density (kg/m³)	567.9
Gas Density (kg/m³)	1.178
Boiling Point (0°C)	-100.8
Specific Volume (m³/kg)	0.862
Vapour Pressure (bar.a)	47.7
Valve Outlet	CGA 510 / BS 4

SHIPPING INFORMATION

Shipping Name	Ethylene, compressed
Hazard Class	2.1
UN No.	UN 1962
Hazard Label	Flammable Gas
CAS No.	74-85-1

AGT INTERNATIONAL
AGT International provides businesses with Shorter lead times, Higher Inventory Levels, Guaranteed Quality and Lower Costs.

PRODUCTS

AGT International supplies a comprehensive range of hydrocarbon gases and liquids and associated special gases.

CYLINDERS

AGT International has a wide range of cylinders and bulk containers available for either purchase or rent as well as being able to fill customer owned cylinders.

CONTACT

Please contact us if the specification you require is not shown above. AGT International is able to custom manufacture different specifications according to your requirements.
<http://www.agti.biz/>