

Nitrogen

A colorless, odorless, chemically inert gas

TECHNICAL INFORMATION

Chemical Symbol	N ₂
Molecular Weight	28.01
Specific Volume	13.8ft ³ / lb (0.86m ³ / kg)
CAS Registry Number	7727-37-9

SHIPPING INFORMATION

DOT Proper Name	Nitrogen, Compressed
Hazard Class	2.2
ID Number	UN 1066
Labels	Nonflammable Gas

CYLINDER SIZES AVAILABLE

Std. Cylinder Sizes*	Contents	Cylinder Pressure (PSIG)	CGA Valve Connection
300	304	2640	580
200	230	2200	580
80	84	2200	580
30 (AL)	38	2200	580

*Nonstandard cylinder sizes available upon request

Specifications Subject to Change Call to Confirm

Grade	Purity	Impurity	Specifications	Equipment Recommended
Ultra High Purity 5.0	99.999%	Oxygen Moisture Total Hydrocarbons	<1ppm <1ppm <0.5ppm	3101-3201
High Purity 4.8	99.998%	Oxygen Moisture Total Hydrocarbons	<5ppm <3ppm <1ppm	3101-3201
Low O2	99.999%	Oxygen Moisture Total Hydrocarbons	<0.5ppm <1ppm <0.5ppm	3101-3201
Zero 0.2	99.998%	Total Hydrocarbons	<0.2ppm	3101-3201
Prepurified Grade K	99.995%	Oxygen Dewpoint	≤ 10ppm, ≤ -76°F	2400

This information in no way replaces the Safety Data Sheets (SDS) for use and safety standards.
Please refer to the SDS for details.

Middlesex Gases & Technologies, Inc.
292 Second Street
PO Box 490249
Everett, MA 02149

(800) 649-6704 or (617) 387-5050
www.MiddlesexGases.com
Info@MiddlesexGases.com