

# Oxygen

## Description

Formula: O<sub>2</sub>

## Gas Data

Molecular Weight: 32.00  
Density: 1.326 kg/m<sup>3</sup> @ 21.1°C, 101.325 kPa  
0.08279 lb/ft<sup>3</sup> @ 70°F, 14.696 psia  
Specific Volume: 0.7541 m<sup>3</sup>/kg @ 21.1°C, 101.325 kPa  
12.08 ft<sup>3</sup>/lb @ 70°F, 14.696 psia

## Shipping Information

CAS Registry Number: 7782-44-7  
UN Number: UN 1072  
ECCN Number: EAR99  
DOT Proper Shipping Name: Oxygen, Compressed  
DOT Classification: 2.2 (Nonflammable Gas)  
DOT Label: NON-FLAMMABLE GAS, OXIDIZER  
TC Shipping Name: Oxygen, Compressed  
TC Classification: 2.2, 5.1  
TC Label: NON-FLAMMABLE GAS,  
NON-POISONOUS GAS, OXIDIZER

## Cylinder Specifications

Cylinder Size	Content		Valve Outlet CGA No.
	US	Metric	
300	307 ft <sup>3</sup>	8.07 m <sup>3</sup>	540
200	251 ft <sup>3</sup>	6.60 m <sup>3</sup>	540
150	156 ft <sup>3</sup>	4.10 m <sup>3</sup>	540
125	125 ft <sup>3</sup>	3.29 m <sup>3</sup>	540
80	92 ft <sup>3</sup>	2.42 m <sup>3</sup>	540
60	60 ft <sup>3</sup>	1.58 m <sup>3</sup>	540
40	42 ft <sup>3</sup>	1.10 m <sup>3</sup>	540
20	21 ft <sup>3</sup>	0.55 m <sup>3</sup>	540

***Our packaging of gases includes a complete range of cylinder sizes, cylinder cradles (6 and 12 packs), tube trailers, microbulk and bulk. We can handle virtually any size requirement, for customers using 1 or 2 cylinders per year, to customers using millions of cubic feet of product monthly.***



**MATHESON**

ask. . .The Gas Professionals™

[www.mathesongas.com](http://www.mathesongas.com)