

Oxygen

Description

Formula: O_2

Gas Data

Molecular Weight: 32.00
 Density: 1.326 kg/m³ @ 21.1°C, 101.325 kPa
 0.08279 lb/ft³ @ 70°F, 14.696 psia
 Specific Volume: 0.7541 m³/kg @ 21.1°C, 101.325 kPa
 12.08 ft³/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 ³	8.07 m ³	540
200	251 ft ³	6.60 m ³	540
150	156 ft ³	4.10 m ³	540
125	125 ft ³	3.29 m ³	540
80	92 ft ³	2.42 m ³	540
60	60 ft ³	1.58 m ³	540
40	42 ft ³	1.10 m ³	540
20	21 ft ³	0.55 m ³	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.