

OXYGEN (99.999%)

PROPERTIES

PHYSICAL & CHEMICAL



Molar mass: 31.9988 g/mol
 Melting point: -219°C
 Boiling point: -183°C
 Density of the gas phase (1.013 bar and 15°C): 1.354 kg/ma
 Density of the liquid phase (1.013 bar at boiling point): 1.1415 kg/l
 Gas density (1.013 bar at boiling point): 4.475 kg/m
 Latent heat of fusion (1.013 bar at triple point): 13.9 kJ/kg
 Latent heat of vaporization (at 1.013 bar boiling point): 212.98kJ/kg
 Critical temperature: -118.6°C
 Critical pressure: 50.43 bar
 Compressibility factor (Z) (1.013 bar and 15°C): 0.994
 Concentration in air: 20.94% vol.



**OPEN
24/7**



APPLICATIONS :

Air quality monitoring, calibration gas mixtures, chemical synthesis, combustion oxidation, diving, electronics and semiconductors, emissions monitoring, environmental monitoring, fiber optics, glass, instrument calibration, lasers , Metal cutting and welding, calibration of process control instruments, semiconductors and electronics, stack emissions testing, water treatment and purification, metal welding.

Conditioning :

| GOX | LOX |
|-----------|----------------------|
| B10 / B50 | Cryogenic Mobil Tank |

TECHNICAL INFORMATION

| Purity : | Impurities : | | | | | |
|-----------|--------------|---------|---------|-----------|---------|---------|
| O2 | N2 | Ar | H2O | CnHm | CO | CO2 |
| ≥ 99.999% | ≤ 5 ppm | ≤ 5 ppm | ≤ 3 ppm | ≤ 0.2 ppm | ≤ 1 ppm | ≤ 1 ppm |

