

Nitrogen 6.0

PROPERTIES

PHYSICAL & CHEMICAL



**OPEN
24/7**



Molar mass: 28,0134 g/mol
 Melting point: -210°C
 Boiling point: -195.9°C
 Density of the gas phase (1.013 bar and 15°C):
 1.185 kg/ma
 Density of the liquid phase (1.013 bar at boiling
 point): 0.8082 kg/
 Gas density (1.013 bar at boiling point): 4.614
 kg/ma
 Latent heat of fusion (1.013 bar at the triple
 point): 25.73 kJ/kg
 Latent heat of vaporization (at 1.013 bar boiling
 point): 198.38
 kJ/kg
 Critical temperature: -147°C
 Critical pressure: 33.999 bar
 Compressibility factor (Z) (1.013 bar and 15°C):
 0.9997
 Concentration in the air: 78.08% vol.

APPLICATIONS :

- Air quality monitoring
- Analytical Chemistry
- Calibration Gas Mixtures
- Electronics and semiconductor
- Emission control
- Environmental monitoring
- Flame photometry, Performance (HPLC),
CPG .
- Inerting, laboratory measuring instru-
ments, emissions test.

TECHNICAL INFORMATION

Purity :	Impurities :					
N2	O2	H2O	CO	CnHm	H2	CO2
≥ 99.9999%	≤ 0.5 ppm	≤ 0.5 ppm	≤ 0.1 ppm	≤ 0.1 ppm	≤ 0.5 ppm	≤ 0.1 ppm

Conditioning :

GIN
B50

