

DATA SHEET

HELIUM 6.0

PROPERTIES

PHYSICAL & CHEMICAL



Molar mass: 4.0026 g/mol
 Gas density relative to air (1013 hPa/15°C): 0.138
 Triple point: Temperature: 2.2 K (-271.0 °C)
 Pressure: 51 mbar
 Latent heat of fusion: 146.21 kg/m³ (liquid phase)
 Boiling point: Temperature: 4.2 K (-268.9 °C) (1013 hPa)
 Latent heat of vaporization: 20.3 kJ/kg
 Density: 124.96 kg/m³ (liquid phase)
 Critical point: Temperature: 5.2 K (-267.9 °C)
 Pressure: 2.3 bar
 Density: 69.64 kg/m³

APPLICATIONS :

Air quality monitoring, analytical chemistry, calibration gas mixtures, electronics and semiconductor, emissions monitoring, environmental monitoring, fiber optics, Gas Chromatography (GC), Liquid Chromatography High Performance (HPLC), inerting, laboratory and process control instrumentation, nuclear meters and radioactivity detectors, Nuclear Magnetic Resonance (NMR and MRI), nuclear energy, process control instruments, calibration, calibration of control instruments, zero adjustment for analyzers.

TECHNICAL INFORMATION

Purity :	Impurities :				
He	O2	H2O	N2	CnHm	H2
≥ 99.9999 %	≥ 0.2 ppm	≥ 0.5 ppm	≥ 0.4 ppm	≥ 0.1 ppm	≥ 0.1 ppm

Conditioning :

Bottle
B50



“ We are what we repeatedly do , Excellence therefore is not an act but a habit ” Dr Tazi