

DATA SHEET

Argon(5.0)

PROPERTIES

PHYSICAL & CHEMICAL



Molar mass: 39.948 g/mol
 Melting point: -189°C
 Boiling point: -185.9°C
 Density of the gas phase (1.013 bar and 15°C): 1.691 kg/m³
 Density of the liquid phase (1.013 bar at boiling point): 1.393 kg/m³
 Gas density (1.013 bar at boiling point): 5.853 kg/m³
 Latent heat of fusion (1.013 bar at the triple point): 29.41 kJ/kg
 Latent heat of vaporization (at 1.013 bar boiling point): 160.81 kJ/kg
 Critical temperature: -122.3 °C
 Critical pressure: 48.98 bar
 Compressibility factor (Z) (1.013 bar and 15°C): 0.9993
 Concentration in the air: 0.934% vol..



**OPEN
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APPLICATIONS :

Air quality monitoring, analytical chemistry, Atomic Adsorption Spectrometry (AAS) .

Calibration Gas Mixtures, Emission Control, Environmental Monitoring Gas Chromatography (GC), inertia, installation, calibration and operation of the instrument

Laboratory and process control instrumentation, mass spectrometry (GC-MS and ICP-MS) .

Plasma calibration, operation, Radioactivity detectors and nuclear counters, zero setting for analyzers.

TECHNICAL INFORMATION :

Purity :	Impurities :			
Ar	O2	H2O	CnHm	N2
≥ 99.999%	≤ 2 ppm	≤ 3 ppm	≤ 0.2 ppm	≤ 5 ppm

Conditioning :

GAr	LAr
B50	Cryogenic mobil tank



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