DATA SHEET

Argon 4.5

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/ma
Density of the liquid phase (1.013 bar at boiling point): 1.393 kg/
Gas density (1.013 bar at boiling point): 5.853 kg/m
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..

APPLICATIONS :

In TIG welding
• in alternating current, aluminum and light alloys,
• in direct current, stainless steels, coppers and copper alloys, as well as ordinary steels in welding.
In MIG welding
• aluminum and light alloys as well as copper and its alloys.
2/ gas for protection against welds on ordinary steels and stainless steels to prevent the formation of chromium oxide (rocking).

-Oil and derivatives: inerting

TECHNICAL INFORMATION :

Purity :	Impurities :	
Ar	O2	H2O
≥ 99.995%	≤ 05 ppm	≤ 05 ppm

Conditioning :

GAr	LAr
B50	Cryogenic mobil tank

Rayan

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