

HELIUM 4.5

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



**OPEN
24/7**



APPLICATIONS :

In TIG and MIG welding of very thick light alloys, Helium promotes penetration speed and wetting of the weld beads. It can be used mixed with argon in different strengths.
 It is also used for leak detection, balloon inflation, certain inerting, for heat transfer in certain processes, etc.

TECHNICAL INFORMATION

Purity :	Impurities :				
He	O ₂	N ₂	C+CO ₂	THC	H ₂ O
≥ 99.995 %	≤ 5 ppm	≤ 20 ppm	≤ 5 ppm	≤ 5 ppm	≤ 5 ppm

Conditioning :

Bottle
B50

