

PRODUCT TECHNICAL SHEET TECHNICAL ARGON (Ar)

DATE: February 2024

Version: 2


Ref. No.: PS085



Argon is inert, non-toxic, colourless, odourless and tasteless. Argon is non-corrosive and so any common metal is acceptable, provided the equipment is designed to withstand process pressure

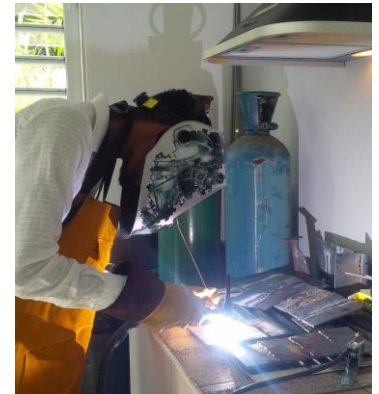
Gas Specification	
Purity	≥99.5%

Physical Data	
Specific Volume @20°C	604ml/g
Molecular Weight	39.94
Boiling point at 101,325 kPa	-185.9°C
Relative Density (air= 1) at 101,325 kPa	1,380

Transport/ Storage Information

UN No 1006 Class 2.2
Do not allow cylinders to slide or come into contact with sharp edges
May be stacked horizontally provided that they are firmly secured at each end to prevent rolling
First in - First out inventory system

Hazards
An asphyxiant
All cylinders are portable gas containers and must be regarded as pressure vessels at all times

Uses and Features
Argon is used in plasma jet torches
The high temperature preparation, refining and fabrication of many materials must be carried out in an argon atmosphere
Argon is used as a shielding for MIG & TIG applications
Argon is used for purging



Cylinder Information						
Colour Coding	Cylinder Capacity		Pressure @ 20°C (Bar)	Cylinder Dimension		Valve Outlet Connection
	M ³	CUFT		Height (mm)	Diameter (mm)	
Peacock Blue	3.4	120	140	1200	180	5/8" BSP right hand female
	8.49	300	200	1440	230	
	10.48	370	200	1500	230	

Nb: Other cylinders capacity and dimension also are available – Dimensions are given as an indication and can differ

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