

ARCAL Prime



ARCAL : the Air Liquide solution for shielding gases and mixtures in arc welding

ARCAL Prime : The pure solution

● Applications

- TIG and plasma welding of all materials
- MIG welding of aluminium and copper alloys
- Root shielding of all materials

● Transport information

Compressed gas

Proper shipping name Argon, compressed
 UN Nr 1006
 ADR/RID Class 2
 Classification Code 1 A

Refrigerated gas

Proper shipping name Argon, refrigerated liquid
 UN Nr 1951
 ADR/RID Class 2
 Classification Code 3 A



● Safety Data Sheets

Access: www.airliquide.no

● Product Specifications

Global purity (% Vol. abs)	Impurities (ppm v/v)	Supply mode	Packaging size	Pressure (bar)	Capacity (m ³)	Product reference
Ar						
≥ 99.998	H ₂ O (5 bar) ≤ 5	Cylinder	M20 SMARTOP	200	4.3	I2013M20S2A001
	O ₂ ≤ 5	Cylinder	M20 ALTOP	200	4.3	I2013M20A2A001
	N ₂ ≤ 10	Cylinder	L50 SMARTOP	200	10.9	I2013L50S2A001
		Cylinder	L50 ALTOP	200	10.9	I2013L50A2A001
		Bundle	H10	200	108.6	I2013H10R2A001
		Bundle	V12	200	130.3	I2013V12R2A001
		Bundle	V16	200	173.8	I2013V16R2A001
		Bundle	V16	300	236	I2013V16R3A001
		Bundle	H64	300	945	I2013H64R3A001

Product compliant with EN ISO 14175-I1-Ar Standard (welding application)

● Physical information

Molecular weight 39.95 g/mol
 Relative density, gas 1.38 (air=1)
 Relative density, liquid 1.4 (water=1)
 CAS number 7440-37-1

● Properties

Hazards identification: in high concentrations may cause asphyxiation
 Flammability range: non flammable
 Personal protection: ensure adequate ventilation

● Cylinder equipment

Valve fittings :
 W 24.32 x 1/14", right, external thread, DIN 10
 SMARTOP: W 24.32 x 1/14", right, external thread, DIN 10
 ALTOP: Quick Argon
 Shoulder colour: dark green (RAL 6001)



DISCLAIMER

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