

Marking

CAS

Characterization acc. ADR

Cylinder Marking

7440-37-1
UN 1006 ARGON,
COMPRESSED, 2.2, (E)

Shoulder color: dark green

Essential properties

compressed gas, heavier than air, colorless, odorless

Symbols of risks**Physical Properties**

molecular weight	39,948 kg/kmol
gas density at 0°C and 1,013 bar	1,784 kg/m ³
density ratio to air	1,3797

For additional safety information see safety data sheet *-AR-003A

Valves / Manifolds

Valve connection

200 bar: acc. to national regulations
300 bar: ISO 5145 Nr. 1; W 30 x 2

Recommended Manifolds

Spectrolab FM 51 / FM 52exact
Spectrocem FE 51 / FE 52exact

Specification / receptacles							
		Argon 4.8	Argon 4.8 Spectro	Argon 5.0	Argon 5.7	Argon 6.0	
Composition							
Ar	≥	99.998	99.998	99.999	99.9997	99.9999	Vol.-%
Impurities							
O ₂	≤	3	2	2	0.5	0.5	ppmv
N ₂	≤	10	-	5	1	0.5	ppmv
HC (as CH ₄)	≤	0.2	0.2	0.1	0.1	0.1	ppmv
CO + CO ₂	≤	0.2	0.2	0.1	0.1	0.1	ppmv
H ₂ O	≤	4	2	3	1	0.5	ppmv

Remarks

Applications:

Shielding gas for special welding problems and sensitive materials (titanium, niob, tungsten, etc.)

Spark erosion spectrometry

Plasma processes

Filling gas for windows

contents in m³ at 15°C, 1 bar